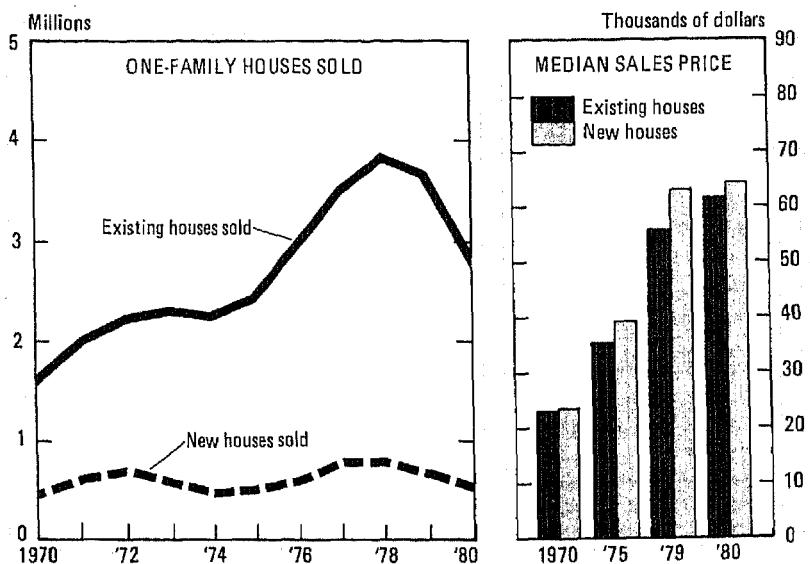
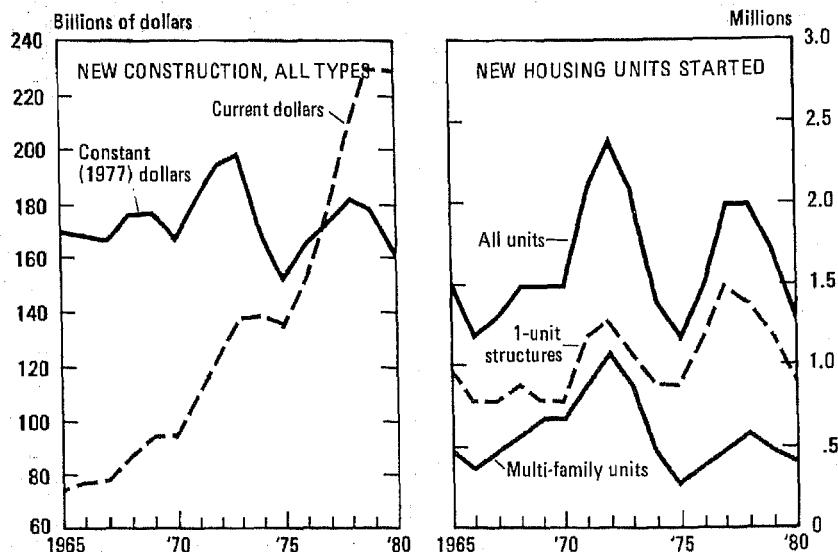


Figure 28.1
**Existing and New Private One-Family Houses Sold
 and Median Sales Price: 1970 to 1980**



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1391, 1393 and 1394.

Figure 28.2
New Construction — Value of Total Construction and Housing Units Started: 1965 to 1980



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1354, 1355 and 1366.

1981
1981
1981
1981

Section 28

Construction and Housing

This section presents data on the construction industry and on various indicators of its activity and costs; on housing units and their characteristics, occupants, and financing; on public housing; and on nonresidential buildings.

The principal source of these data is the U.S. Bureau of the Census, which issues a variety of current publications. Construction statistics compiled by the Bureau appear in its monthly *Construction Reports* series with various quarterly or annual supplements; *Housing Starts* and *Housing Completions* present data by type of unit and by 4 major census regions; *New One-Family Houses Sold and For Sale* also provides statistics annually on physical and financial characteristics for all new housing by the 4 major census regions; *Value of New Construction Put in Place* includes monthly composite construction cost indexes, and a special supplement which contains historical data, 1964 to 1980, as well as several tables showing data for 1915-1964; *Price Index of New One-Family Houses Sold* presents quarterly figures and annual regional data; and *Housing Units Authorized by Building Permits and Public Contracts* covers approximately 16,000 permit-issuing jurisdictions in the United States. Statistics on expenditures by owners of residential properties are issued quarterly and annually in *Residential Alterations and Repairs*. Reports of the censuses of construction industries (see below) are also issued on various topics.

Other Census Bureau publications include the *Current Housing Reports* series, which comprises the quarterly *Housing Vacancies*, the quarterly *Market Absorption of Apartments*, the *Annual Housing Survey*, and reports of the censuses of housing and of construction industries. *Construction Review*, published monthly by the Bureau of Industrial Economics, U.S. Department of Commerce, contains many of the census series and other construction statistics series from the Federal Government and private agencies.

Other sources include the monthly *Dodge Construction Potentials* of F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y., which presents State data on construction contracts; the Bureau of Economic Analysis, which presents data on residential capital and gross housing product; and the Federal Home Loan Bank Board, the Department of Housing and Urban Development (HUD), and the Veterans Administration, which publish financial data. Data on conventional home mortgages are provided by the Federal Home Loan Bank Board. The Department of Housing and Urban Development provides data on the gross flow of long-term mortgage loans in its study, *The Supply of Mortgage Credit, 1970-1979*. Data on mortgages insured by the Federal Housing Administration (FHA) and on VA-guaranteed loans are also presented in this section. In addition, the *Statistical Yearbook*, published by HUD, also contains housing data.

Censuses and Surveys.—Censuses of the construction industry were first conducted by the Bureau of the Census for 1929, 1935, and 1939; beginning in 1967, a census has been taken every five years (for years ending in "2" and "7"). The latest reports are for 1977.

The 1977 Census of Construction Industries, in accordance with the 1972 *Standard Industrial Classification Manual* (see text, page 376), defines a construction establishment as a relatively permanent place of business where the usual business activities related to construction are conducted.

From 1850 through 1930, the Bureau of the Census collected some housing data as part of its censuses of population and agriculture. Beginning in 1940, separate censuses of housing have been taken at 10-year intervals. For the 1970 and 1980 censuses, data on year-round housing units were collected and issued on occupancy and structural characteristics, plumbing facilities, value, and rent.

Evaluation studies of the 1950, 1960, and 1970 censuses estimated the underenumeration of occupied housing units at 2.9 percent, 2.4 percent, and 1.7 percent, respectively. The net undercount in the 1970 census is estimated at approximately 1.5 million housing units. Estimates for the 1980 census were not available at the time of publication of this edition. The estimates for the various censuses are not strictly comparable due to differences in timing, procedures, and other factors. The census figures have not been adjusted to reflect the estimated undercounts.

The Annual Housing Survey (*Current Housing Reports*, Series H-150 and H-170), which began in 1973, provides a current and ongoing series of data on selected housing and demographic characteristics. It is based on a national sample and on separate samples for 60 SMSA's selected to represent a cross section of the housing stock in these areas. Annual Housing Survey estimates are subject to both sampling and nonsampling errors; caution should, therefore, be used in making comparisons with 1970 census data.

Data on residential mortgages were collected continuously from 1890 to 1970, except 1930, as part of the decennial census by the Bureau of the Census. Since 1973, mortgage status data, which are limited to single family homes on less than ten acres with no business on the property, have been presented in the Annual Housing Survey.

Housing units.—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters; that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) complete kitchen facilities for the exclusive use of the occupants. Transient accommodations, barracks for workers, and institutional-type quarters are not counted as housing units.

Statistical Reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

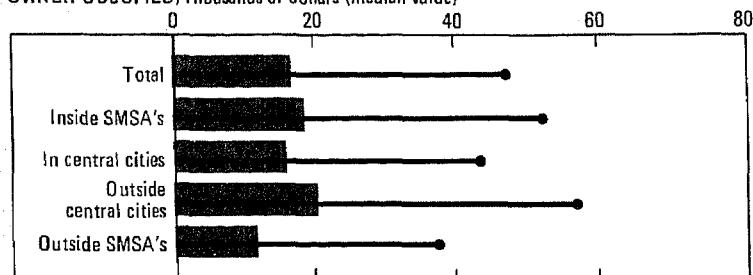
Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

Figure 28.3

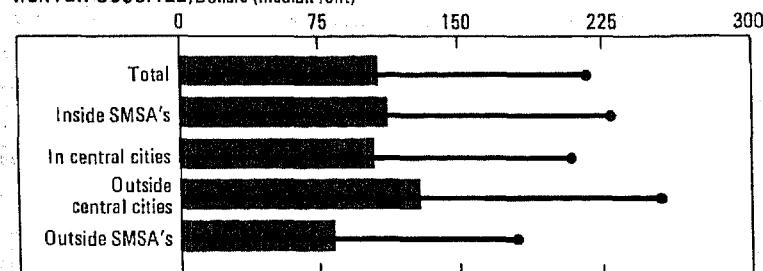
**Occupied Housing Units—
Median Value and Median Rent: 1970 and 1979**

■ 1970
— 1979

OWNER OCCUPIED/Thousands of dollars (median value)



RENTER OCCUPIED/Dollars (median rent)



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1379.

Value of New Construction

751

No. 1354. VALUE OF NEW CONSTRUCTION PUT IN PLACE: 1970 TO 1980

[In millions of dollars, except percent. Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series N 1-29 and N 66-69]

ITEM	1970	1973	1974	1975	1976	1977	1978	1979	1980
Total.....	95,204	138,428	139,221	135,941	151,084	173,829	205,561	230,781	230,273
Average annual percent change ¹	5.2	13.3	.6	-2.4	11.1	15.1	18.3	12.3	-2
Private.....	67,114	105,927	100,886	95,057	111,961	135,855	159,665	181,691	174,897
Percent of total.....	70.5	76.5	72.5	69.9	74.1	78.0	77.7	78.7	76.0
Residential buildings (incl. farm).....	31,864	59,726	50,376	46,472	60,520	80,956	93,424	99,030	87,261
New housing units.....	24,272	50,086	40,644	34,408	47,277	65,749	75,808	78,587	63,139
Structures with—									
1 unit.....	14,754	30,648	26,293	27,123	40,049	55,271	62,385	60,790	45,662
2 or more units.....	9,518	19,438	14,351	6,986	7,228	10,478	13,422	17,798	17,476
Additions, alterations.....	6,234	7,274	8,045	10,925	12,308	14,209	16,349	18,236	21,125
Nonhousekeeping.....	1,358	2,366	1,687	1,139	935	998	1,267	2,206	2,997
Nonresidential buildings.....	21,412	27,583	29,637	26,407	26,091	28,695	36,293	47,298	52,434
Commercial.....	9,753	15,451	15,944	12,806	12,756	14,783	18,565	24,924	29,945
Industrial.....	6,537	6,243	7,902	8,018	7,183	7,712	10,994	14,950	13,837
Hospital and institutional.....	2,529	3,152	3,201	3,209	3,398	3,290	3,347	3,530	4,046
Religious.....	928	814	918	867	956	1,046	1,248	1,548	1,637
Educational.....	864	896	655	587	660	660	729	808	1,175
Other nonresidential.....	800	1,086	1,017	939	1,140	1,203	1,410	1,540	1,794
Public utilities.....	11,017	15,181	16,624	17,379	20,301	20,272	23,455	28,323	28,678
Telephone, telegraph.....	2,968	3,985	4,279	3,683	3,777	4,345	5,418	6,343	6,733
Other public utilities.....	8,049	11,215	12,345	13,696	16,524	15,926	18,037	21,980	21,945
Electric light, power.....	5,807	8,777	9,246	9,888	11,777	12,432	14,384	17,480	17,340
Gas.....	1,654	1,708	1,739	1,350	1,280	1,560	1,929	2,650	2,643
Railroads.....	304	422	575	514	580	737	1,190	1,259	1,153
Petroleum pipelines.....	284	308	785	1,944	2,887	1,197	534	591	809
Farm (nonresidential).....	1,875	2,525	'3,249	3,731	3,971	4,431	5,209	5,588	5,274
All other private.....	946	912	1,000	1,068	1,077	1,301	1,283	1,452	1,250
Public.....	28,090	32,501	38,334	40,884	39,123	38,174	45,898	49,090	55,376
Percent of total.....	29.5	23.5	27.5	30.1	25.9	22.0	22.3	21.3	24.0
Buildings.....	10,656	12,994	14,990	15,474	13,759	12,799	15,241	15,857	18,864
Educational.....	5,619	6,647	7,310	7,760	6,342	5,459	6,264	6,903	8,050
Hospital.....	838	1,001	1,238	1,745	1,870	1,733	1,822	1,648	1,785
Industrial.....	498	606	766	918	905	1,070	1,184	1,411	1,788
Housing, redevelopment.....	1,106	941	1,006	754	720	908	1,053	1,211	1,648
Other public buildings.....	2,594	3,799	4,670	4,296	3,922	3,629	4,919	4,684	5,593
Highways and streets.....	9,982	10,505	12,065	10,854	9,743	9,380	10,706	11,896	13,785
Conservation, development.....	1,907	2,311	2,741	3,257	3,742	3,862	4,457	4,587	5,090
Military facilities.....	717	1,167	1,185	1,369	1,630	1,429	1,502	1,647	1,880
Other public construction.....	4,827	5,524	7,352	9,911	10,248	10,704	13,989	15,002	15,755
Sewer systems.....	1,543	1,954	2,681	4,801	5,341	5,374	6,765	7,298	7,171
Water supply facilities.....	1,093	1,067	1,381	1,765	1,631	1,810	2,661	2,490	3,266
Misc. construction.....	2,192	2,503	3,290	3,345	3,276	3,520	4,563	5,215	5,318
Public ownership:									
State and local government.....	24,798	27,648	33,042	34,568	32,106	30,855	37,497	40,227	45,372
Buildings.....	9,753	11,665	13,487	13,580	11,631	10,501	12,764	13,215	15,899
Highways and streets.....	9,728	10,236	11,808	10,547	9,404	8,984	10,285	11,468	13,314
Conservation, development.....	540	356	495	618	903	774	597	673	821
Other.....	4,777	5,391	7,252	9,821	10,167	10,595	13,851	14,872	15,538
Federal government.....	3,293	4,853	5,293	6,318	7,017	7,320	8,398	8,862	10,004
Conservation, development.....	1,367	1,955	2,246	2,638	2,839	3,088	3,860	3,915	4,270
Buildings.....	903	1,329	1,504	1,894	2,128	2,298	2,477	2,642	3,165
Military facilities.....	717	1,167	1,185	1,389	1,630	1,429	1,502	1,647	1,880
Misc. (incl. highways and streets).....	305	401	357	397	420	505	559	659	688

¹Change from prior year shown; for 1970, change from 1965. Minus sign (-) denotes decrease. For explanation of average annual percent change, see *Guide to Tabular Presentation*.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

Construction and Housing

NO. 1355. VALUE IN CONSTANT (1977) DOLLARS OF NEW CONSTRUCTION PUT IN PLACE:
1965 TO 1980

[In millions of dollars, except percent. For details on derivation of constant values and description of revised series, see source. For description of nature of revisions and deflators used, see *Construction Reports*, series C30-80S]

ITEM	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
New construction.....	169,981	167,618	198,850	170,289	152,198	163,457	173,395	181,987	179,265	160,696
Private.....	118,136	118,405	152,480	126,032	108,556	122,083	135,299	141,171	141,434	122,912
Percent of total	69.5	70.6	76.7	74.0	71.3	74.7	78.0	77.6	78.9	76.5
Residential buildings ¹	62,738	57,581	87,033	66,393	56,074	67,737	80,689	81,226	75,969	60,899
New housing units.....	48,762	43,873	72,984	53,596	41,506	52,884	65,472	65,891	60,278	44,070
Structures with—										
1 unit.....	35,270	26,656	44,622	34,593	33,051	44,797	55,016	54,223	46,637	31,850
2 or more units.....	13,492	17,217	28,352	19,003	8,455	8,087	10,456	11,668	13,640	12,220
Additions, alterations.....	10,638	11,252	10,597	10,563	13,190	13,805	14,216	14,231	14,005	14,738
Nonhousekeeping.....	3,339	2,456	3,451	2,233	1,378	1,049	1,000	1,104	1,687	2,092
Nonresidential buildings ²	37,834	35,692	37,510	33,379	28,011	27,642	28,640	32,224	36,062	35,445
Industrial.....	(NA)	10,895	8,473	8,878	8,506	7,612	7,698	9,734	11,424	9,360
Office.....	(NA)	8,144	6,904	5,273	5,046	5,263	5,898	7,204	8,986	8,986
Other commercial.....	(NA)	16,255	12,873	11,081	8,310	8,468	9,486	10,651	11,765	11,242
Hospital, institutional.....	(NA)	4,217	4,294	3,616	3,404	3,597	3,290	2,991	2,702	2,734
Religious.....	(NA)	1,550	1,107	1,034	920	1,013	1,044	1,107	1,180	1,106
Educational.....	(NA)	1,442	1,140	741	601	699	659	649	614	793
Other nonresidential.....	(NA)	1,334	1,479	1,145	996	1,207	1,199	1,255	1,172	1,214
Public utilities.....	13,400	20,328	23,169	21,420	19,376	21,365	20,249	21,927	24,014	22,156
Telephone, telegraph.....	3,354	5,050	5,639	5,283	4,181	3,954	4,340	5,136	5,436	5,199
Other public utilities.....	10,046	15,278	17,530	16,138	15,195	17,412	15,809	16,792	18,579	16,957
Electric light, power ³	6,337	11,146	13,764	12,177	11,143	12,553	12,414	13,539	14,929	13,597
Gas.....	2,724	3,065	2,670	2,277	1,448	1,305	1,558	1,721	2,189	1,977
Railroads.....	730	541	614	671	547	609	734	1,060	972	780
Petroleum pipelines.....	255	526	482	1,013	2,057	2,945	1,203	472	489	603
Farm (nonresidential).....	3,184	3,126	3,438	3,663	3,959	4,207	4,425	4,640	4,268	3,562
All other private.....	980	1,678	1,330	1,177	1,137	1,131	1,296	1,155	1,121	849
Public.....	51,845	49,213	46,370	44,258	43,642	41,374	38,097	40,816	37,831	37,784
Percent of total	30.5	29.4	23.3	26.0	28.7	25.3	22.0	22.4	21.1	23.5
Buildings.....	18,070	17,822	17,798	17,101	16,530	14,630	12,788	13,550	12,124	12,775
Educational.....	9,824	9,367	9,061	8,262	8,235	6,724	5,453	5,569	5,272	5,432
Hospital.....	1,193	1,389	1,362	1,397	1,882	1,981	1,734	1,630	1,261	1,205
Industrial.....	845	831	826	864	973	980	1,069	1,058	1,081	1,210
Housing, redevelopment.....	1,353	1,999	1,370	1,324	910	808	909	911	929	1,150
Other public buildings.....	4,855	4,325	5,179	5,254	4,559	4,157	3,624	4,382	3,580	3,779
Highways and streets.....	18,261	17,670	15,354	13,285	11,146	10,291	9,332	9,215	8,582	8,470
Conservation, development.....	4,634	3,406	3,367	3,438	3,603	3,914	3,855	4,104	3,828	3,821
Military facilities.....	1,926	1,243	1,644	1,360	1,489	1,734	1,431	1,331	1,248	1,251
Other public construction.....	8,953	8,972	8,206	9,073	10,874	10,805	10,690	12,616	12,049	11,466
Sewer systems.....	2,982	2,992	2,914	3,412	5,379	5,669	5,366	6,146	5,970	5,410
Water supply facilities.....	2,885	2,074	1,629	1,787	1,935	1,697	1,808	2,395	2,048	2,458
Miscellaneous.....	3,087	3,906	3,663	3,874	3,559	3,439	3,516	4,076	4,031	3,601

NA Not available. ¹ Including farm. ² Excludes building by privately owned public utilities. ³ Includes construction with Rural Electrification Administration (REA) funds.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

NO. 1356. VALUE OF PRIVATELY OWNED NONRESIDENTIAL BUILDING PROJECTS, BY CONSTRUCTION STATUS, 1973 TO 1980, AND BY TYPE OF PROJECT, 1980

[In billions of dollars]

CONSTRUCTION STATUS	1973	1974	1975	1976	1977	1978	1979	1980				
								Total	Indus-	Office	Other	
									com-	mer-	Other	
Value of projects—												
Started.....	28.4	27.7	20.1	23.8	29.3	38.7	49.0	48.3	11.3	14.1	14.7	8.2
Completed.....	24.6	26.9	28.0	25.9	27.7	31.7	40.1	48.4	14.6	10.0	16.5	7.4
Under construction at year-end.....	42.8	46.1	41.8	41.9	44.6	55.2	68.3	73.5	22.9	21.1	14.2	15.3

¹ Privately owned religious, educational, hospital and institutional, and miscellaneous nonresidential building projects.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

Construction Contracts

753

No. 1357. CONSTRUCTION CONTRACTS—VALUE OF CONSTRUCTION AND FLOOR SPACE OF BUILDINGS, BY CLASS OF CONSTRUCTION: 1970 TO 1980

[Value in billions of dollars; space in million square feet; except percent. Includes new structures and additions to existing structures, and major alterations to existing structures which affect only valuation, since no additional floor area is created by "alteration." See also *Historical Statistics, Colonial Times to 1970*, series N 78-100]

CLASS OF CONSTRUCTION	AMOUNT										PERCENT DISTRIBUTION			
	1970	1973	1974	1975	1976	1977	1978	1979	1980	1970	1975	1979	1980	
Value of construction, total.....	68.3	99.3	93.7	92.7	110.1	139.7	159.9	168.4	147.2	100.0	100.0	100.0	100.0	
Residential buildings.....	24.8	45.7	33.6	31.3	44.2	62.0	74.9	74.6	63.2	36.3	33.8	44.3	42.9	
Nonresidential buildings, total.....	24.6	31.4	33.2	31.6	30.0	35.1	45.0	50.2	52.3	36.0	34.1	29.8	35.5	
Commercial ¹	9.1	12.8	11.8	9.2	10.2	13.6	20.6	24.4	24.8	13.3	9.9	14.5	16.8	
Manufacturing.....	3.7	4.8	5.6	6.8	4.5	5.4	9.2	7.6	8.2	5.4	7.3	4.5	5.6	
Educational and science.....	5.3	5.1	6.3	5.9	4.9	5.2	5.7	6.3	6.8	7.8	6.4	3.7	4.6	
Hospital.....	2.8	3.3	3.8	3.7	4.5	4.5	3.8	4.8	5.4	4.1	4.0	2.9	3.7	
Public buildings.....	1.0	2.0	2.1	2.1	2.1	2.3	1.5	1.6	1.6	1.5	1.5	2.3	1.0	
Religious.....	.6	.7	.8	.8	.9	1.0	1.2	1.3	1.2	.9	.9	.8	.8	
Social and recreational ²	2.1	2.7	2.8	3.1	3.0	3.3	3.0	4.1	4.3	3.1	3.3	2.4	2.9	
Nonbuilding construction.....	19.0	22.1	27.0	29.8	35.9	42.6	39.9	43.7	31.6	27.8	32.2	26.0	21.5	
Floor space, total.....	2,938	4,013	2,938	2,390	2,819	3,536	4,101	3,905	3,061	100.0	100.0	100.0	100.0	
Residential buildings.....	1,781	2,574	1,657	1,441	1,867	2,440	2,815	2,522	1,866	60.6	60.3	64.7	61.2	
Nonresidential buildings, total.....	1,157	1,439	1,282	949	952	1,096	1,286	1,377	1,195	39.4	39.7	35.3	38.8	
Commercial ¹	530	717	594	409	440	564	758	816	685	18.0	17.1	20.9	22.2	
Manufacturing.....	212	293	246	146	152	175	219	243	213	7.2	6.1	20.2	6.9	
Educational and science.....	195	156	176	152	118	112	104	102	95	6.6	6.4	2.6	3.1	
Hospital.....	75	76	75	63	71	66	53	57	56	2.6	2.6	1.5	1.8	
Public buildings.....	29	49	47	46	42	43	22	20	17	1.0	1.9	1.5	.6	
Religious.....	27	28	27	28	31	32	35	34	29	.9	1.2	.9	.9	
Social and recreational ²	89	120	117	105	99	105	96	106	100	3.0	4.4	2.7	3.2	

¹ Includes nonindustrial warehouses. ² Includes miscellaneous.

Source: F.W. Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y. In *Dodge Construction Potentials*.

No. 1358. CONSTRUCTION CONTRACTS—VALUE, BY STATES: 1975 TO 1980

[In millions of dollars. See headnote, table 1357. Represents value of construction in States in which work was actually done]

STATE	1975	1978	1979	1980			STATE	1975	1978	1979	1980		
				Total (incl. non- bidg.)	Resi- dential	Non- resi- dential					Total (incl. non- bidg.)	Resi- dential	Non- resi- dential
Total.....	92,659	159,930	168,446	147,164	63,206	52,344	Mo.....	1,645	2,752	3,065	2,587	893	1,084
Ala.....	3,084	2,758	2,543	1,905	902	544	Mont.....	393	554	569	398	205	80
Alaska.....	4,826	692	626	643	187	227	Nebr.....	747	1,392	1,043	838	340	276
Ariz.....	1,704	2,907	3,553	3,157	1,626	1,015	Nev.....	479	1,322	1,193	1,127	665	318
Ark.....	1,301	1,536	1,728	1,250	643	365	N.H.....	313	1,604	549	469	236	131
Calif.....	8,663	16,102	18,159	17,597	8,685	6,604	N.J.....	1,850	4,096	3,613	3,608	1,319	1,571
Colo.....	1,380	2,639	3,197	2,711	1,281	987	N. Mex.....	680	987	1,060	1,055	412	391
Conn.....	804	1,541	1,564	1,406	542	587	N.Y.....	3,955	5,711	5,405	5,932	1,684	2,484
Del.....	228	368	323	324	122	115	N.C.....	2,240	4,756	5,852	3,473	1,762	1,190
D.C.....	542	432	580	545	157	296	N. Dak.....	855	824	601	442	203	141
Fla.....	3,607	9,116	12,176	12,926	7,434	2,980	Ohio.....	3,924	6,482	6,233	5,107	1,875	2,203
Ga.....	1,825	3,472	3,673	3,848	1,824	1,313	Oklahoma.....	1,166	2,385	2,895	2,342	1,176	752
Hawaii.....	979	667	1,006	1,137	728	286	Oreg.....	1,036	2,259	2,495	1,885	900	628
Idaho.....	399	737	675	649	292	247	Pa.....	3,009	4,795	4,626	5,118	1,591	1,928
Ill.....	5,907	7,262	7,009	5,302	1,702	2,192	R.I.....	244	345	397	331	125	106
Ind.....	2,211	6,437	3,442	2,735	978	1,350	S.C.....	2,143	1,811	4,827	2,506	1,086	705
Iowa.....	1,252	2,223	2,404	1,558	552	539	S. Dak.....	275	554	551	421	176	115
Kans.....	1,324	1,611	1,828	1,874	628	520	Tenn.....	1,678	3,081	4,886	2,767	1,186	1,016
Ky.....	1,444	3,486	3,033	2,190	926	677	Tex.....	6,372	13,868	13,104	13,611	6,065	5,354
La.....	1,847	4,636	3,542	3,279	1,135	1,230	Utah.....	735	1,385	1,440	1,121	446	522
Maine.....	398	513	485	537	218	203	Vt.....	144	279	311	251	135	57
Md.....	1,886	2,846	2,592	3,036	1,013	983	Va.....	2,932	4,779	4,044	3,490	1,695	1,114
Mass.....	1,415	2,244	2,638	2,732	1,131	987	Wash.....	2,019	4,427	5,696	4,780	1,650	1,309
Mich.....	3,187	6,043	5,257	4,138	1,546	1,933	W. Va.....	926	787	1,226	835	258	201
Minn.....	1,667	3,186	3,299	2,717	1,170	891	Wis.....	1,667	3,067	2,945	2,279	904	862
Miss.....	1,030	1,580	3,695	1,549	599	617	Wyo.....	229	611	695	649	197	153

Source: F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y. Figures reported currently in *Dodge Construction Potentials*.

Construction and Housing

NO. 1359. PRIVATE CONSTRUCTION AUTHORIZED BY BUILDING PERMITS: 1972 TO 1980

[In billions of dollars. "14,000 place" series are based on U.S. total of approximately 14,000 places identified in 1972 and 1978, respectively, with local building permit systems]

TYPE OF CONSTRUCTION	VALUE (14,000 places)							VALUE (16,000 places)		
	1972	1973	1974	1975	1976	1977	1978	1978	1979	1980
Total.....	59.4	61.8	50.8	47.3	63.1	82.9	96.6	101.6	107.4	101.9
New housing units.....	35.9	33.7	23.5	23.9	35.5	50.0	55.4	58.9	56.3	47.2
In structures with—										
1 unit.....	21.4	20.7	16.8	19.8	29.0	40.0	43.2	46.3	42.6	33.1
2-4 units.....	1.9	1.7	1.0	1.1	1.8	2.6	3.0	3.1	3.3	3.3
5 units or more.....	12.5	11.3	5.7	3.0	4.7	7.4	9.3	9.6	10.4	10.8
New nonhousekeeping residential buildings.....	1.4	1.7	.9	.7	.8	1.0	1.3	1.3	1.6	1.5
New nonresidential buildings.....	17.3	20.9	20.5	16.2	19.2	23.7	30.8	32.2	38.3	34.9
Industrial buildings.....	2.9	4.5	4.5	3.0	3.9	5.5	7.4	7.8	9.3	8.0
Office buildings.....	3.8	4.1	3.9	3.0	3.1	4.3	6.6	6.8	9.1	9.9
Stores and other mercantile.....	4.2	4.8	4.3	3.4	4.3	5.7	7.3	7.6	9.0	6.7
Hospitals and other institutional.....	1.9	1.9	2.0	2.0	2.4	2.0	2.1	2.1	2.3	1.6
All other nonresidential.....	4.6	5.6	5.8	4.8	5.4	6.1	7.4	7.9	8.7	8.7
Additions and alterations.....	4.9	5.6	6.0	6.6	7.7	8.2	9.1	9.2	11.2	18.3

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, Bureau of Industrial Economics, *Construction Review*.

NO. 1360. PRICE, WAGE SCALE, AND COST INDEXES FOR CONSTRUCTION: 1965 TO 1980

[1977 = 100, except as indicated. Excludes Alaska and Hawaii, except as noted. Indexes of certain of these sources are published on bases different from those shown here. See *Historical Statistics, Colonial Times to 1970*, series N 118-137, for construction cost indexes on a 1947-49 base]

ITEM	1965	1970	1973	1974	1975	1976	1978	1979	1980
Price index for new one-family houses sold ¹	44.4	55.3	67.5	73.8	81.7	88.7	114.5	130.8	145.2
Union hourly wage scales, building trades ²	59.3	84.1	105.0	113.2	122.9	130.9	146.5	156.6	169.1
Construction cost indexes:									
Dept. of Commerce composite ³	43.6	56.8	69.6	81.8	89.3	92.4	113.0	128.7	143.3
Federal Highway Admin.: Highways ⁴	41.7	58.0	70.8	96.3	96.7	93.4	119.4	142.6	163.0
Environmental Protection Agency:									
Sewers.....	39.9	51.2	68.2	78.8	88.5	94.1	109.5	123.2	138.6
Sewage treatment plant.....	40.2	51.6	65.6	78.0	89.8	94.3	109.5	120.4	131.3
Federal Energy Regulatory Commission: Pipeline.....	48	54	64	76	93	98	112	121	133
American Appraisal Co.: Building construction ⁵	41	57	76	80	86	94	109	118	125
Turner Construction Co.: Building construction ⁶	45	62	78	91	95	97	106	118	131
E. H. Beech, building cost index: ⁷									
Small residential structures.....	41.8	56.5	73.5	79.4	84.7	91.7	109.0	119.0	128.9
Apartments, hotels, and office buildings.....	41.9	57.5	71.3	77.9	85.6	92.4	106.5	114.7	125.1
Commercial and factory buildings.....	40.7	55.6	69.8	77.3	85.3	92.6	107.5	117.1	127.7
Engineering News-Record: ⁸									
Building construction.....	40.6	54.1	73.7	78.0	84.6	92.3	108.4	117.8	125.9
General construction.....	37.7	53.8	73.5	78.4	85.8	93.1	107.7	116.5	125.6
Handy-Whitman public utility: ⁹									
Building.....	41	53	69	84	93	95	109	122	135
Electric light and power ¹⁰	41	52	63	75	88	94	106	116	127

¹ Includes value of site. ² 1972=100. Based on minimum wage rates agreed upon through collective bargaining; excludes overtime. As of first work day in July. Includes Honolulu, Hawaii, beginning in 1976. Source: U.S. Bureau of Labor Statistics, *Union Wages and Hours: Building Trades*, annual.

³ Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes used for different types of construction.

⁴ Based on average contract unit bid prices for composite mills (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete).

⁵ Average for 30 cities of 4 types of buildings: Wood-frame, brick-wood frame, brick-steel frame, and reinforced concrete. Covers materials and labor costs in structural portion of buildings but excludes those for plumbing, heating, lighting, sprinklers, and elevators. Reflects employee-benefit costs, and allows for contractors' overhead and profit.

⁶ Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs.

⁷ Average of 20 cities for types shown. Weights based on surveys of building costs. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and social security payroll taxes.

⁸ Building construction index computed on basis of hypothetical unit of construction requiring 6 bbl. of portland cement, 1,088 M bd. ft. of 2" x 4" lumber, 2,500 lb. of structural steel, and 68.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor.

⁹ Based on data covering public utility construction costs for 95 items in 6 geographic regions. Covers skilled and common labor; does not reflect tax payments nor employee-benefit costs.

¹⁰ As derived by U.S. Bureau of the Census. Covers steam production plants only; excludes hydraulic plants.

Source: Except as noted, U.S. Bureau of the Census. In U.S. Department of Commerce, Bureau of Industrial Economics, *Construction Review*.

No. 1361. CONSTRUCTION MATERIALS—INDEXES OF PRODUCER PRICES: 1970 TO 1980

(1967 = 100. For discussion of producer price index, see text, p 458. Covers materials incorporated as integral part of a building or normally installed during construction and not readily removable. Excludes consumer durables such as kitchen ranges, refrigerators, etc. See also, *Historical Statistics, Colonial Times to 1970*, series N 140-155.)

COMMODITY	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
All materials.....	112.5	126.6	138.5	160.9	174.0	187.7	204.9	228.3	251.4	266.4
Softwood lumber: Douglas fir.....	108.7	161.1	209.6	213.7	212.0	250.7	291.4	339.7	383.9	353.0
Southern pine.....	114.7	151.5	187.9	184.5	175.3	217.4	262.5	304.6	324.2	297.4
Hardwood lumber.....	114.6	126.2	169.0	189.5	160.3	176.0	200.3	235.8	260.0	252.0
Millwork.....	116.0	128.4	144.2	157.1	160.4	176.0	193.7	235.4	254.3	260.4
Plywood.....	108.4	130.7	155.2	161.1	161.2	187.0	212.2	235.6	250.5	246.5
Building paper and board.....	101.0	106.4	112.8	123.5	127.1	138.8	157.0	187.4	182.4	206.2
Prepared paint.....	112.4	118.0	122.2	145.7	166.9	174.4	182.4	192.3	204.4	235.3
Finished steel products:										
Structural shapes.....	115.3	134.6	140.7	179.0	216.3	227.1	241.2	272.0	300.4	329.9
Reinforcing bars.....	110.3	114.7	124.1	201.5	199.2	182.5	185.8	208.4	261.1	274.8
Black pipe, carbon.....	113.3	132.5	137.8	178.7	204.6	219.1	247.9	279.8	301.8	323.6
Wire nails, 8d common.....	114.8	133.5	140.4	207.1	214.1	243.6	261.3	273.5	298.5	331.9
Nonferrous metal products.....	124.7	116.9	135.0	187.1	171.6	181.6	195.4	207.8	261.7	305.0
Copper water tubing.....	122.9	116.4	133.3	174.7	134.2	147.7	(NA)	182.8	215.5	234.0
Building wire.....	123.2	92.8	108.2	169.7	125.8	118.4	126.7	125.5	187.7	209.4
Plumbing fixtures.....	111.2	119.7	125.8	149.1	162.3	174.1	186.6	199.1	217.1	246.7
Heating equipment.....	110.6	118.2	120.4	135.0	150.7	158.0	165.5	174.4	187.1	206.5
Metal doors, sash, trim.....	113.0	120.5	124.5	147.3	162.5	171.3	188.7	207.6	229.6	255.2
Plate glass.....	(NA)	115.0	115.0	115.0	120.4	126.4	133.0	147.3	153.3	159.0
Concrete ingredients.....	112.6	126.9	131.2	140.7	172.3	186.7	199.0	217.7	244.0	274.0
Concrete products.....	112.2	125.6	131.7	151.7	170.5	180.1	191.8	214.0	244.1	273.9
Structural clay products ¹	109.9	117.3	123.3	135.2	151.2	163.5	179.8	197.2	217.9	231.5
Gypsum products.....	99.7	114.7	120.9	137.6	144.0	154.3	183.5	229.1	252.3	256.8
Asphalt roofing.....	102.7	131.2	135.5	196.0	225.9	238.3	253.0	292.0	325.3	396.8
Insulation materials.....	123.2	136.9	137.4	156.5	196.2	212.6	235.9	250.7	256.3	287.9

NA Not available. ¹ Excludes refractories.

Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly and annual.

No. 1362. CONSTRUCTION INDUSTRIES—SUMMARY, BY INDUSTRY: 1972 AND 1977

[Based on a probability sample of about 167,000 in 1972 and 181,000 in 1977 construction establishments with payroll; see Appendix III. N.e.c.=Not elsewhere classified]

INDUSTRY	Estab- lish- ments with payroll (1,000)	EMPLOYEES (1,000)		PAYROLL (mil. dol.)		RECEIPTS (mil. dol.)		Value added ² (mil. dol.)
		Total	Con- struction workers	Total	Con- struction workers	Total	Net construction ¹	
1972, total.....	437.9	4,146	3,487	40,005	32,187	155,850	111,232	68,197
Contract construction.....	430.0	4,083	3,464	39,528	32,036	152,722	110,716	67,810
General building contractors.....	133.1	1,150	938	10,159	7,740	64,350	33,245	17,884
Heavy construction contractors.....	28.0	827	709	9,255	7,537	31,461	25,357	16,200
Special trade contractors.....	269.0	2,107	1,817	20,114	16,759	56,911	52,114	33,726
1977, total.....	480.0	4,273	3,565	54,980	43,112	224,885	164,516	98,884
Contract construction.....	474.9	4,234	3,548	54,566	42,963	221,622	163,463	98,116
General building contractors.....	156.0	1,181	963	13,537	10,041	89,787	48,262	25,040
Single-family houses.....	101.0	438	383	3,736	3,066	21,890	15,070	7,297
Other residential buildings.....	4.8	56	46	646	485	4,515	2,203	1,145
Operative builders.....	23.8	174	110	2,026	1,053	22,918	10,627	5,229
Industrial buildings and warehouses.....	8.3	202	171	2,853	2,247	13,063	7,545	4,258
Nonresidential buildings, n.e.c.....	18.5	312	254	4,275	3,190	27,400	12,816	7,112
Heavy construction contractors ³	31.3	917	757	14,267	10,988	50,728	40,272	26,573
Highway and street construction.....	11.7	268	233	3,596	2,927	15,821	12,546	7,641
Water, sewer, and utility lines.....	10.2	198	173	2,837	2,347	9,553	8,371	5,523
Heavy construction, n.e.c.....	8.3	413	318	7,298	5,274	23,283	17,527	12,447
Special trade contractors ³	207.7	2,136	1,827	26,762	21,954	81,108	74,929	46,502
Plumbing, heating, air-conditioning.....	56.4	459	369	6,414	5,025	21,431	19,136	10,681
Painting, paperhanging, decorating.....	27.4	133	121	1,361	1,191	3,205	3,051	2,362
Electrical work.....	36.8	357	297	5,483	4,497	14,482	13,919	8,748
Masonry and other stonework.....	24.8	152	143	1,493	1,350	3,805	3,678	2,417
Plastering, drywall, insulation.....	16.7	180	158	2,262	1,901	6,266	5,819	3,630
Carpentering.....	24.4	125	115	1,202	1,081	3,647	3,328	2,083
Roofing and sheet metal work.....	20.6	172	146	1,968	1,555	6,321	5,939	3,420
Concrete work.....	17.0	118	107	1,210	1,043	4,152	3,882	2,228
Excavating and foundation work.....	16.5	104	92	1,208	1,021	4,370	3,930	2,994
Special trade contractors, n.e.c.....	20.6	128	108	1,384	1,086	4,608	4,129	2,693
Subdividers and developers, n.e.c.....	5.1	39	18	414	150	3,043	1,053	748

¹ Construction receipts less payments for construction work subcontracted to others, not shown separately. ² Total receipts less (a) payments for materials, components, and supplies, (b) payments for construction work subcontracted to others, not shown separately.

³ Includes other industries each with less than \$2.5 billion in total receipts, not shown separately.

Construction and Housing

No. 1363. CONSTRUCTION ESTABLISHMENTS—SUMMARY, BY STATES: 1977

[See headnote, table 1362]

STATE	ALL ESTABLISHMENTS		ESTABLISHMENTS WITH PAYROLL			STATE	ALL ESTABLISHMENTS		ESTABLISHMENTS WITH PAYROLL		
	Number (1,000)	Receipts (mil. dol.)	Number (1,000)	Employees (1,000)	Receipts (mil. dol.)		Number (1,000)	Receipts (mil. dol.)	Number (1,000)	Employees (1,000)	Receipts (mil. dol.)
U.S.	1,200.4	244,816	480.0	4,273	224,665	Mo.	31.9	5,100	10.5	89	4,658
Ala.	18.1	3,862	7.4	81	3,617	Mont.	7.6	924	2.6	16	819
Alaska	3.3	1,524	1.4	17	1,428	Nebr.	13.1	2,109	4.9	36	1,932
Ariz.	10.9	3,433	5.3	53	3,259	Nev.	3.8	1,365	1.8	22	1,281
Ark.	17.8	1,780	5.1	34	1,522	N.H.	7.4	896	3.0	18	811
Calif.	104.0	33,412	44.7	424	30,515	N.J.	32.9	6,158	15.4	115	5,655
Colo.	21.7	4,670	8.5	74	4,322	N. Mex.	6.4	1,313	3.4	30	1,228
Conn.	17.3	2,921	7.5	51	2,624	N.Y.	62.8	11,647	27.1	206	10,765
Del.	3.1	1,120	1.6	18	1,090	N.C.	33.8	4,845	14.4	116	4,489
D.C.	1.1	705	.5	11	677	N. Dak.	5.3	797	2.1	15	745
Fla.	50.7	10,185	21.9	197	9,345	Ohio.	54.8	10,725	20.8	180	9,893
Ga.	28.0	4,822	10.9	101	4,579	Oklahoma.	24.1	2,899	7.0	52	2,469
Hawaii	3.2	1,509	1.7	21	1,435	Oreg.	18.6	3,073	7.3	45	2,698
Idaho	9.4	1,297	2.8	19	1,113	Pa.	57.7	11,451	24.3	217	10,606
Ill.	51.4	13,374	21.0	210	12,338	R.I.	5.0	804	2.5	15	749
Ind.	30.5	5,352	11.3	99	4,905	S.C.	14.4	3,311	6.5	85	3,104
Iowa	22.8	3,099	8.3	56	2,829	S. Dak.	6.1	648	2.2	12	570
Kans.	18.4	2,703	6.3	53	2,438	Tenn.	27.3	4,130	9.4	85	3,708
Ky.	23.5	2,807	7.4	56	2,493	Tex.	88.7	22,523	31.5	408	20,577
La.	18.4	4,908	7.5	107	4,579	Utah.	9.8	2,025	4.4	35	1,829
Maine	8.9	810	3.3	20	736	Vt.	4.6	390	1.7	9	347
Md.	20.4	5,885	9.7	105	5,549	Va.	28.7	5,519	13.1	117	5,110
Mass.	29.2	4,611	11.7	87	4,210	Wash.	24.7	5,616	11.4	85	5,201
Mich.	40.8	8,411	16.4	128	7,760	W. Va.	8.6	1,254	3.7	31	1,171
Minn.	26.6	5,136	9.7	83	4,716	Wis.	27.0	4,739	11.0	81	4,362
Miss.	11.4	1,497	4.3	34	1,352	Wyo.	4.3	722	1.8	13	650

Source: U.S. Bureau of the Census. *Census of Construction Industries*, 1977, area series CC77-A.

No. 1364. NEW HOUSING UNITS AUTHORIZED BY STATES: 1979 AND 1980

[Includes public housing contract awards. Based on about 16,000 places in U.S. having building permit systems]

STATE	HOUSING UNITS		VALUATION		STATE	HOUSING UNITS		VALUATION			
	1979, total (1,000)	1980 Total (1,000)	Percent single unit ¹	1979 (mil. dol.)	1980 (mil. dol.)	1979, total (1,000)	1980 Total (1,000)	Percent single unit ¹	1979 (mil. dol.)	1980 (mil. dol.)	
U.S.	1,551.8	1,190.8	60	56,331	47,156	Mo.	19.4	13.6	62	657	459
Ala.	17.5	15.9	56	437	388	Mont.	3.1	2.3	58	90	71
Alaska	2.7	2.2	73	148	155	Nebr.	8.7	6.7	74	275	208
Ariz.	53.8	36.7	62	1,493	1,244	Nav.	19.0	11.8	53	700	458
Ark.	8.5	8.2	60	289	270	N.H.	6.8	5.3	70	241	198
Calif.	211.5	144.4	60	9,727	7,788	N.J.	34.6	22.3	66	1,251	985
Colo.	42.8	30.1	64	1,589	1,154	N. Mex.	13.1	8.7	70	463	330
Conn.	14.8	10.1	62	536	412	N.Y.	33.8	24.5	59	1,068	925
Del.	3.0	2.9	81	97	90	N.C.	41.4	35.5	70	1,267	1,176
D.C.	1.7	2.7	18	59	82	N. Dak.	4.8	3.1	53	185	115
Fla.	175.7	174.2	51	5,858	6,471	Ohio.	48.0	31.2	52	1,917	1,283
Ga.	40.6	34.8	73	1,237	1,166	Okl.	18.8	17.7	66	761	810
Hawaii	11.0	10.3	39	542	540	Oreg.	28.3	19.3	71	1,058	828
Idaho	9.0	5.8	58	300	219	Pa.	42.8	30.0	68	1,481	1,118
Ill.	45.8	25.2	42	1,852	1,087	R.I.	5.3	2.8	59	151	90
Ind.	26.8	20.9	51	1,077	768	S.C.	26.8	22.3	70	823	747
Iowa	13.3	8.7	55	466	312	S. Dak.	3.9	3.1	69	120	97
Kans.	13.3	10.9	56	520	495	Tenn.	23.3	19.4	64	729	611
Ky.	13.1	10.2	58	437	351	Texas	150.0	127.5	53	4,981	4,851
La.	23.6	20.5	58	782	682	Utah	16.6	10.5	73	630	389
Maine	4.3	3.4	65	138	113	Vt.	3.2	2.9	61	104	98
26.7	20.0	82	925	811	Va.	44.5	37.3	78	1,582	1,322	
Mass.	21.4	16.5	64	712	634	W. Va.	3.8	3.3	45	120	108
Mich.	49.2	29.0	62	1,900	1,164	Wis.	26.5	18.2	60	980	690
Minn.	29.3	21.3	63	1,227	974	Wyo.	5.2	3.8	60	188	149
Miss.	8.9	9.4	56	242	265						

¹ Privately owned structures.Source: U.S. Bureau of the Census, *Construction Reports*, series C40, annual, and December issues.

New Housing Units Started—Mobile Homes

757

No. 1365. NEW HOUSING UNITS STARTED: 1960 TO 1981

[Minus sign (—) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series N 156-159]

YEAR	Total (1,000)	Per- cent change	PRIVATELY OWNED (1,000)		Pub- licly owned (1,000)	YEAR AND MONTH	Total (1,000)	Per- cent change	PRIVATELY OWNED (1,000)		Pub- licly owned (1,000)
			Total	1-unit structures					Total	1-unit structures	
1960	1,296	+16.6	1,252	995	44	1975	1,171	-13.4	1,160	892	11
1961	1,365	5.3	1,313	974	52	1976	1,548	32.2	1,538	1,162	10
1962	1,492	9.3	1,463	991	30	1977	2,002	29.8	1,987	1,451	15
1963	1,635	9.6	1,603	1,012	32	1978	2,036	1.7	2,020	1,433	16
1964	1,561	-4.5	1,529	970	32	1979	1,760	-13.6	1,745	1,194	15
1965	1,510	-3.3	1,473	964	37	1980	1,313	-25.4	1,292	852	20
1966	1,196	-20.8	1,165	779	31	1981: Jan.	(NA)	(NA)	1,160	993	(NA)
1967	1,322	10.5	1,292	844	30	Feb.	(NA)	(NA)	1,215	791	(NA)
						Mar.	(NA)	(NA)	1,297	838	(NA)
1968	1,545	16.9	1,508	899	38	Apr.	(NA)	(NA)	1,332	897	(NA)
1969	1,500	-2.9	1,467	811	33	May	(NA)	(NA)	1,158	764	(NA)
1970	1,489	-2.1	1,434	813	35	June	(NA)	(NA)	1,039	688	(NA)
1971	2,085	41.9	2,052	1,151	32	July	(NA)	(NA)	1,047	704	(NA)
1972	2,379	14.1	2,357	1,309	22	Aug. ³	(NA)	(NA)	934	598	(NA)
1973	2,057	-13.5	2,045	1,132	12	Sept. ³	(NA)	(NA)	918	615	(NA)
1974	1,352	34.3	1,338	888	15						

NA Not available.

¹ Change from 1959.

² Seasonally adjusted annual rate.

³ Preliminary.

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

No. 1366. NEW HOUSING UNITS STARTED—SELECTED CHARACTERISTICS: 1970 TO 1980

[In thousands. For composition of regions, see fig. 1, inside front cover. Beginning 1977, data for regions and structures are not available for publicly owned units. See also *Historical Statistics, Colonial Times to 1970*, series N 156-163]

CHARACTERISTIC	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total	1,469	2,085	2,379	2,057	1,352	1,171	1,548	2,002	2,036	1,760	1,313
Northeast	224	271	334	278	183	150	170	202	201	178	126
North Central	301	440	445	442	320	295	401	465	451	350	220
South	629	884	1,068	906	561	448	575	784	824	748	646
West	315	490	532	431	268	278	402	539	547	473	307
Units inside SMSA's ¹	1,034	1,519	1,733	1,502	932	767	1,048	1,378	1,433	1,242	916
Units outside SMSA's ¹	435	566	646	556	420	405	499	612	590	507	383
Publicly owned	35	32	22	12	15	11	10	15	16	15	20
Privately owned	1,434	2,052	2,357	2,045	1,338	1,160	1,538	1,987	2,020	1,745	1,292
With FHA aid ²	421	528	371	163	95	98	144	178	178	178	178
With VA aid ³	61	94	104	86	73	77	100	131	127	122	95
In structures with:											
1 unit	815	1,153	1,311	1,133	889	896	1,166	1,452	1,436	1,196	854
2-4 units	96	133	151	124	77	68	89	122	125	123	113
5 units or more	558	799	917	800	387	208	292	415	463	430	333

¹ For definition of standard metropolitan statistical area (SMSA), see text, Appendix II. 1970-1975 based on 1967 definitions as amended through 1974; thereafter, on 1974 definitions as amended through 1975. ² Beginning 1972, source: U.S. Dept. of Housing and Urban Development, *HUD Statistical Yearbook*.

Source: Except as noted, U.S. Bureau of the Census, *Construction Reports*, series C20, and unpublished data. Includes data from U.S. Federal Housing Administration and U.S. Veterans Administration.

No. 1367. NEW MOBILE HOMES PLACED FOR RESIDENTIAL USE AND AVERAGE SALES PRICE, BY REGION: 1974 TO 1980

[A mobile home is a moveable dwelling, 10 feet or more wide and 35 feet or more long, designed to be towed on its own chassis and without need of a permanent foundation. Excluded are travel trailers, motor homes, and modular housing. Based on a probability sample and subject to sampling variability; see source. For composition of regions, see fig. 1, inside front cover]

REGION	UNITS (1,000)							AVERAGE SALES PRICE (\$1,000)						
	1974	1975	1976	1977	1978	1979	1980	1974	1975	1976	1977	1978	1979	1980
U.S.	332.0	229.3	249.6	257.5	279.9	279.9	228.5	9.3	10.6	12.3	14.2	15.9	17.6	19.2
Northeast	23.3	14.7	16.8	16.7	17.4	16.9	12.0	9.4	10.5	11.6	12.9	14.3	15.8	17.3
North Central	67.5	48.5	51.5	50.7	49.5	47.3	31.7	9.3	10.7	11.6	13.5	15.1	16.1	17.8
South	170.8	110.8	114.8	112.5	135.3	145.2	137.1	8.3	9.0	10.6	12.1	13.7	15.6	17.7
West	70.4	55.2	66.5	77.7	77.7	70.5	47.6	11.6	13.6	16.0	18.1	20.6	23.1	25.0

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

Construction and Housing

NO. 1368. PRIVATE HOUSING STARTS, BY REGION, AND MOBILE HOMES: 1970 TO 1980

[In thousands of units, except percent. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 157 and N 170]

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Private housing starts ¹	1,434	2,052	2,357	2,045	1,338	1,160	1,538	1,987	2,020	1,745	1,292
Single family											
Condominiums ²	813	1,151	1,309	1,132	888	892	1,162	1,451	1,433	1,194	852
Northeast	(NA)	(NA)	(NA)	69	46	20	30	42	42	42	35
North Central	113	145	170	155	119	112	127	156	147	123	87
South	166	238	256	269	225	222	294	337	325	243	142
West	377	526	612	478	307	366	464	588	604	522	428
Multifamily	157	242	272	230	176	192	277	370	358	306	196
Percent of total	621	901	1,047	913	450	268	375	536	587	551	440
Condominiums ²	43.3	43.9	44.4	44.6	33.6	33.0	24.4	27.0	29.1	31.6	34.1
Northeast	(NA)	(NA)	(NA)	172	130	45	64	77	113	156	150
North Central	105	119	159	122	84	37	43	46	53	55	38
South	128	196	187	171	92	72	106	128	126	106	77
West	235	343	445	421	186	76	104	195	220	225	215
MOBILE HOMES ³	154	244	255	199	108	83	122	168	188	165	110
Shipments to dealers	401	497	576	567	329	213	246	277	276	277	222
Percent of total private starts and mobile homes	21.9	19.5	19.6	21.7	19.7	15.5	13.8	12.2	12.0	13.7	14.6
Percent of single-family private starts and mobile homes	33.0	30.1	30.5	33.4	27.0	19.3	17.5	16.0	16.1	18.8	20.6

NA = Not available. ¹ Includes farm housing. ² Type of ownership under which the owners of the individual housing units are also joint owners of the common areas of the building or community. Includes a small number of cooperatively owned units. ³ A mobile home is a vehicular portable structure built on a chassis and designed to be used without a permanent foundation as a year-round dwelling when connected to utilities. The homes are defined as units more than 8 feet wide or 32 feet in length.

Source: U.S. Bureau of the Census, *Construction Reports*, series C20. Mobile home shipments data provided by Manufactured Housing Institute, Arlington, Va., through 1977; for 1978-1980, by the National Conference of States and Building Codes and Standards.

NO. 1369. PERCENT OF NEW PRIVATELY OWNED COMPLETED ONE-FAMILY HOUSES WITH VARIOUS CHARACTERISTICS: 1970 TO 1980

[Percent distribution, except total houses. Data beginning 1975 show percent distribution of characteristics for all houses completed (includes new houses completed, houses built for sale completed, contractor-built and owner-built houses completed, and houses completed for rent). Data for 1970 cover contractor-built, owner-built, and houses for rent for year construction started and houses sold for year of sale. Percents exclude houses for which characteristics specified were not reported. See also headnote, table 1393.]

CHARACTERISTIC	1970	1975	1978	1979	1980	CHARACTERISTIC	1970	1975	1978	1979	1980
Total houses (1,000)	793	875	1,369	1,301	957	Bathrooms	100	100	100	100	100
Financing	100	100	100	100	100	1 or less	32	24	15	16	18
Mortgage	84	82	86	84	81	1½	20	17	11	11	10
FHA-insured	30	9	8	11	16	2	32	40	48	48	48
VA-guaranteed	7	8	7	7	8	2½ or more	16	20	25	26	25
Conventional	58	69	63	55		Foundation	100	100	100	100	100
Farmers Home	47	7	3	3	3	Full or partial basement	37	45	42	42	36
Admin						Slab	36	35	40	39	45
Cash or equivalent	16	18	13	15	18	Crawl space	27	20	18	19	19
Floor area (sq. ft.)	100	100	100	100	100	Heating fuel	100	100	100	100	100
Under 1,200	36	25	18	19	21	Electricity	28	49	52	51	50
1,200-1,599	28	30	28	28	29	Gas	62	40	37	39	41
1,600-1,999	16	24	23	22		Oil	8	9	8	7	3
2,000-2,399		34	16	15	13	Other	1	2	3	3	5
2,400 and over	21	11	13	15	15						
Number of stories	100	100	100	100	100	Central air-conditioning	100	100	100	100	100
1	74	65	81	59	60	With	34	46	58	60	63
2 or more	17	23	28	31	31	Without	66	54	42	40	37
Split level	10	12	11	11	8	Parking facilities	100	100	100	100	100
Bedrooms	100	100	100	100	100	Garage	58	67	74	73	69
2 or less	13	14	12	14	17	Carport	17	9	7	7	7
3	63	65	64	64	63	No garage or carport	25	24	18	20	24
4 or more	24	21	24	23	20						

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing* (a joint publication).

Gross Housing Product—Residential Capital

759

No. 1370. GROSS HOUSING PRODUCT—SUMMARY: 1960 TO 1979

[In billions of dollars. For definition of current and constant dollars, see text, p. 419]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979
CURRENT DOLLARS											
Total value of housing output ¹	46.7	63.3	90.3	108.4	119.3	132.6	144.5	160.5	180.3	205.5	238.1
Percent of GNP ²	9.2	9.2	9.1	9.1	9.0	9.2	9.2	9.3	9.4	9.5	9.7
Nonfarm housing	44.6	60.8	87.3	104.9	115.4	127.9	139.1	154.5	173.2	197.6	224.0
Owner-occupied	31.3	42.7	61.3	74.1	81.7	91.1	99.5	111.1	125.4	144.8	166.8
Tenant-occupied	13.3	18.2	26.0	30.8	33.7	36.8	39.5	43.4	47.8	52.8	57.2
Farm housing	2.1	2.5	3.0	3.5	3.9	4.7	5.4	6.0	7.1	7.8	9.1
Less: Intermediate goods and services consumed...	7.8	9.1	12.4	15.9	17.8	19.9	22.4	25.8	27.9	34.5	38.3
Equals: Gross housing product	38.7	54.2	77.9	92.5	101.5	112.7	122.1	134.6	152.4	171.0	194.8
CONSTANT (1972) DOLLARS											
Total value of housing output ¹	62.0	78.8	98.1	108.4	113.9	119.9	123.8	130.1	137.4	146.3	154.2
Nonfarm housing	57.9	74.8	94.5	104.9	110.5	116.6	120.6	127.1	134.4	143.5	151.6
Owner-occupied	40.6	52.5	66.4	74.1	78.2	83.1	86.3	91.4	97.3	105.1	112.8
Tenant-occupied	17.2	22.8	28.1	30.8	32.3	33.5	34.3	35.7	37.1	38.4	38.7
Farm housing	4.1	3.9	3.7	3.5	3.3	3.3	3.2	3.1	2.9	2.8	2.7
Less: Intermediate goods and services consumed...	10.6	11.3	13.5	15.9	16.9	17.9	19.0	20.9	20.9	24.3	25.0
Equals: Gross housing product	51.4	67.3	84.6	92.5	97.0	102.0	104.8	109.3	116.4	122.0	129.2

¹ Equals personal consumption expenditures (see text, pages 779 and 780) for housing less expenditures for transient hotels, motels, clubs, schools, and institutions. ²GNP=Gross national product.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76 and 1976-79*.

No. 1371. RESIDENTIAL CAPITAL—STOCKS AND AVERAGE AGE: 1960 TO 1980

[As of Dec. 31. Data based on fixed residential capital formation components of the gross national product. For nonresidential business capital, see table 924. See *Historical Statistics, Colonial Times to 1970*, series F 528-534 and N 200-223 for related data]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
CAPITAL IN CURRENT DOLLARS (bil. dol.)											
Cross stocks ¹											
Private nonfarm: 1-4 units	664	796	1,163	1,652	1,862	2,017	2,274	2,627	3,135	3,493	3,891
5 or more units	552	651	931	1,290	1,446	1,567	1,771	2,052	2,455	2,735	3,043
Farm (1-4 units)	46	69	122	206	239	259	292	336	402	452	509
Private nonhousekeeping	41	41	52	64	71	75	82	91	108	114	123
Mobile homes	5	7	10	12	14	14	16	18	20	22	23
Public: Federal, State and local	4	6	15	27	34	37	42	49	57	65	74
Net stocks ^{1,2}	418	514	754	1,287	1,224	1,319	1,484	1,716	2,048	2,279	2,527
Private nonfarm: 1-4 units	357	426	605	841	940	1,016	1,149	1,336	1,801	1,784	1,977
5 or more units	26	45	87	155	180	194	216	248	285	330	369
Farm (1-4 units)	18	18	22	27	29	31	34	38	44	47	51
Private nonhousekeeping	2	4	7	8	8	9	9	10	11	12	12
Mobile homes	3	4	10	19	23	24	27	30	34	38	41
Public: Federal, State and local	10	13	20	30	34	36	39	43	51	55	61
CAPITAL IN CONSTANT (1972) DOLLARS (bil. dol.)											
Gross stocks ¹											
Private nonfarm: 1-4 units	941	1,102	1,262	1,409	1,446	1,474	1,511	1,556	1,602	1,644	1,675
5 or more units	786	905	1,012	1,099	1,121	1,144	1,174	1,211	1,247	1,279	1,302
Public: Federal, State and local	65	96	132	175	185	188	193	198	204	211	217
Farm (1-4 units)	17	23	28	34	35	35	36	36	36	37	37
Private nonhousekeeping	59	58	58	55	55	54	54	54	54	53	53
Mobile homes	7	9	11	11	11	11	10	10	10	10	10
Net stocks ^{1,2}	693	711	818	928	950	964	986	1,016	1,046	1,072	1,086
Private nonfarm: 1-4 units	508	591	657	717	729	742	762	788	814	834	846
5 or more units	37	64	95	132	140	142	143	146	150	154	158
Farm (1-4 units)	26	25	24	23	23	22	22	22	22	22	22
Private nonhousekeeping	3	6	7	7	6	6	6	6	6	6	5
Mobile homes	2	4	10	17	18	19	19	20	20	21	21
Public: Federal, State and local	14	18	21	25	26	26	25	25	25	25	25
AVERAGE AGE ³ (years)											
Gross stocks	28.0	26.5	25.9	24.9	24.8	24.9	24.9	24.8	24.7	24.7	24.8
Private nonfarm: 1-4 units	27.5	26.6	26.8	26.2	26.3	26.4	26.3	26.1	25.9	25.9	26.0
5 or more units	27.9	21.4	18.3	15.7	15.6	16.0	16.4	16.7	16.9	17.1	17.3
Farm (1-4 units)	45.0	45.5	45.9	46.2	46.0	46.0	46.0	45.8	45.6	45.7	45.6
Private nonhousekeeping	21.8	15.9	14.6	15.7	16.1	16.5	17.0	17.5	18.1	18.7	19.3
Mobile homes	4.7	5.0	4.7	4.6	4.9	5.4	5.8	6.2	6.5	6.7	7.1
Federal	15.0	15.8	19.6	17.2	17.4	18.8	20.2	21.2	21.8	22.9	23.8
State and local	9.8	11.7	13.2	14.4	15.0	15.7	16.5	17.2	17.8	18.4	18.9

¹ Includes other, not shown separately. ² Represents net value of structures at preceding yearend plus net investment based on straight-line depreciation for year shown. ³ Constant-dollar stocks.

Source: U.S. Bureau of Economic Analysis, unpublished data.

Construction and Housing

NO. 1372. HOUSING UNITS—SUMMARY OF CHARACTERISTICS: 1960 TO 1979

[In thousands, except as indicated. Refers to 243 standard metropolitan statistical areas (SMSA's) as defined in 1970 census reports. For definition of SMSA, see text, Appendix II. For information on methodology, see Appendix III. For definition of median, see Guide to Tabular Presentation.]

CHARACTERISTIC	1960	1970				1979			
		Total	Inside SMSA's		Outside SMSA's	Total	Inside SMSA's		Outside SMSA's
			Total	In central cities			Total	In central cities	
All housing units	56,326	68,672	46,289	22,608	22,383	86,374	57,484	25,422	28,890
All year-round units	56,584	67,699	46,083	22,584	21,616	84,586	57,145	25,389	27,441
Occupied units.....	53,024	63,445	43,859	21,395	19,586	78,572	53,641	23,697	24,931
Owner occupied.....	32,797	39,886	26,090	10,300	13,796	51,411	33,021	11,787	18,391
Percent of all occupied	61.9	62.9	59.5	48.1	70.4	65.4	61.6	49.7	73.8
Renter occupied.....	20,227	23,560	17,789	11,095	5,790	27,160	20,820	11,911	6,540
Vacant year-round	3,560	4,254	2,224	1,189	2,030	6,014	3,504	1,692	2,510
For sale only	522	501	298	130	203	677	436	186	241
Homeowner vacancy rate	1.6	1.2	1.1	1.2	1.5	1.3	1.3	1.5	1.3
For rent.....	1,453	1,686	1,142	745	524	1,600	1,107	651	493
Rental vacancy rate	6.7	6.8	6.0	6.3	8.3	5.5	5.0	5.1	6.9
Other vacant.....	1,084	2,087	784	314	1,303	3,738	1,980	855	1,777
Vacant, seasonal and migratory	1,742	973	206	24	766	1,788	340	33	1,449
Urban.....	40,764	50,145	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Rural.....	17,562	18,527	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Cooperatives and condominiums:									
Owner occupied.....	(NA)	(NA)	(NA)	(NA)	(NA)	1,308	1,197	519	112
Cooperatives.....	(NA)	(NA)	(NA)	(NA)	(NA)	341	310	216	31
Condominiums.....	(NA)	(NA)	(NA)	(NA)	(NA)	967	887	303	81
Vacant for sale only	(NA)	(NA)	(NA)	(NA)	(NA)	77	64	33	13
Units in structure ¹ —									
1-unit.....	43,758	46,781	28,033	11,430	17,758	57,280	35,602	12,746	21,679
Percent of total units.....	77.3	69.1	63.0	50.6	82.2	67.7	62.3	50.2	78.0
2-4 units.....	7,552	9,007	7,184	4,753	1,823	10,785	8,525	5,256	2,260
5 or more units.....	6,238	9,829	8,934	6,225	895	12,910	11,579	7,173	1,331
Mobile home or trailer.....	767	2,073	933	176	1,140	3,610	1,439	214	2,172
Year structure built: ¹									
April 1970 or later.....	(X)	(X)	(X)	(X)	(X)	18,146	11,715	3,545	6,431
1960-March 1970	(X)	16,956	11,849	4,172	5,106	17,592	12,298	4,397	5,293
1950-1959	16,046	14,499	10,708	4,304	3,791	13,992	10,177	3,984	3,804
1940-1949	5,640	8,788	6,147	14,108	2,699	7,963	5,451	2,687	2,512
1939 or earlier.....	33,632	27,458	17,378	(NA)	10,080	26,904	17,503	10,776	9,401
Percent built prior to 1940	57.7	40.6	37.7	(NA)	46.6	31.8	30.6	42.4	34.9
Units with ¹ —									
1-3 rooms.....	11,400	11,028	8,305	5,461	2,725	12,614	9,589	5,908	3,026
4 rooms.....	12,435	14,113	8,230	4,904	4,883	16,658	11,071	5,286	5,588
5 rooms.....	14,323	16,998	11,233	5,286	5,765	20,134	12,883	5,660	7,251
6 rooms.....	11,141	13,609	9,271	4,078	4,338	17,195	11,403	4,554	5,791
7 or more rooms.....	9,020	11,950	8,044	2,856	3,906	17,984	12,199	3,780	5,786
Median number of rooms	4.9	5.0	5.0	4.7	5.1	5.1	5.1	4.8	5.2
Persons per unit (median):									
Owner occupied.....	3.1	3.0	3.1	2.8	2.7	2.6	2.7	2.5	2.5
Renter occupied.....	2.6	2.3	2.2	2.1	2.6	2.0	1.9	1.9	2.1
Units lacking some or all plumbing facilities ¹	7,899	4,398	1,494	716	2,904	2,353	823	386	1,531
Percent.....	13.2	6.5	3.2	3.2	13.4	2.8	1.4	1.5	5.6
Percent of units with—									
Telephone ²	78.5	87.0	89.1	86.5	82.2	91.6	92.6	90.1	89.4
Air conditioning ¹	12.4	36.7	39.7	38.2	30.0	54.5	56.1	52.8	51.2
Central system ¹	1.9	10.7	12.3	11.0	7.5	25.2	26.8	22.2	21.8
One or more automobiles ²	78.4	82.5	81.4	71.6	85.0	(NA)	(NA)	(NA)	(NA)
Public sewer ¹	(NA)	70.2	82.1	96.2	47.9	73.4	84.7	97.5	49.9
Public or private company water ¹	(NA)	81.7	91.0	99.0	61.7	83.9	92.0	99.2	66.9
Basement ¹	54.0	50.9	55.5	58.3	41.1	(NA)	(NA)	(NA)	(NA)
Second home owner ²	(NA)	4.6	4.5	4.2	4.7	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. ¹ For 1960, all housing units, based on a complete count, but tabulated on a 20-percent sample basis. For 1970 and 1979, all year-round units. ² Occupied housing units.

Source: U.S. Bureau of the Census, *U.S. Census of Housing: 1960*, vol. I, and *Current Housing Reports*, series H-150-79, Annual Housing Survey, part A, *General Housing Characteristics for the United States and Regions*.

NO. 1373. ESTIMATES OF THE HOUSING INVENTORY AND CHANGE: 1970 TO 1979

[Minus sign (-) denotes decrease. For explanation of percent change, see Guide to Tabular Presentation]

TENURE, RACE, AND VACANCY STATUS	TOTAL UNITS, 1970		TOTAL UNITS, 1979		Percent average annual change, 1970- 1979	NEW UNITS CONSTRUCTED, 1970-1979 ¹		UNITS REMOVED, 1973-1979 ²	
	Number (1,000)	Per- cent	Number (1,000)	Per- cent		Number (1,000)	Per- cent	Number (1,000)	Per- cent
All housing units	68,672	100.0	86,374	100.0	2.6	18,421	100.0	4,328	100.0
All year-round units	67,609	98.6	84,586	97.9	2.5	18,146	98.5	4,280	98.9
Occupied units	63,445	92.4	78,572	91.0	2.4	16,724	90.8	3,547	82.0
Owner occupied ³	39,886	58.1	51,411	59.5	2.9	11,604	63.0	1,422	32.9
White	37,005	53.9	47,055	54.5	2.7	10,823	58.8	1,252	28.9
Black	2,568	3.7	3,711	4.3	4.2	562	3.1	156	3.6
Renter occupied ³	23,560	34.3	27,160	31.4	1.6	5,119	27.8	2,125	49.1
White	19,601	28.5	21,731	25.2	1.2	4,398	23.9	1,534	35.4
Black	3,607	5.3	4,643	5.4	2.9	586	3.2	548	12.7
Vacant year-round	4,254	6.2	6,014	6.9	3.9	1,422	7.7	733	16.9
For sale only	501	.7	677	.8	3.4	272	1.5	42	1.0
For rent	1,886	2.4	1,600	1.8	-.5	360	1.9	236	5.4
Other vacant	2,087	3.0	3,738	4.3	6.7	790	4.3	454	10.5
Vacant or seasonal ⁴	973	1.4	1,788	2.1	7.0	275	1.5	48	1.1

¹ Apr. 1, 1970, to Oct. 31, 1979. ² Removed between Oct. 1973 and Oct. 31, 1979, by demolition, disaster, or other means.³ Includes races not shown separately. ⁴ Includes migratory.

NO. 1374. HOUSING UNITS, BY GEOGRAPHIC REGIONS: 1960 TO 1979

[In thousands, except percent. See headnote, table 1372. For composition of regions, see fig. 1, inside front cover]

YEAR AND LOCATION	TOTAL					PERCENT DISTRIBUTION				
	U.S.	North- east	North Central	South	West	U.S.	North- east	North Central	South	West
1960, total	58,326	14,798	16,798	17,173	9,558	100.0	100.0	100.0	100.0	100.0
Inside SMSA's	38,633	11,834	10,514	9,052	7,233	66.2	80.0	62.6	52.7	75.7
Central cities	20,440	6,005	5,695	5,208	3,531	35.0	40.6	33.9	30.3	36.9
Not in central cities	18,193	5,829	4,818	3,844	3,701	31.2	39.4	28.7	22.4	38.7
Outside SMSA's	19,893	2,954	6,284	8,121	2,325	33.8	20.0	37.4	47.3	24.3
1970, total	68,672	16,642	18,971	21,000	12,029	100.0	100.0	100.0	100.0	100.0
Inside SMSA's	46,289	13,036	12,206	11,651	9,395	67.4	78.3	64.3	55.4	78.7
Central cities	22,608	5,212	5,978	6,168	4,252	32.9	37.3	31.5	29.3	35.3
Not in central cities	23,681	6,824	6,228	5,486	5,143	34.5	41.0	32.8	26.1	42.8
Outside SMSA's	22,383	3,606	6,765	9,379	2,634	32.6	21.7	35.7	44.6	21.9
1979, total	86,374	18,953	22,495	28,271	16,656	100.0	100.0	100.0	100.0	100.0
Inside SMSA's	57,484	14,398	14,353	15,753	12,981	66.6	76.0	63.8	55.7	77.9
Central cities	26,422	6,318	6,243	7,445	5,416	29.5	33.4	27.8	26.3	32.5
Not in central cities	32,062	8,080	8,110	8,308	7,585	37.1	42.6	38.0	29.4	45.4
Outside SMSA's	28,890	4,555	8,142	12,518	3,675	33.4	24.0	36.2	44.3	22.1

NO. 1375. YEAR-ROUND HOUSING UNITS—TENURE AND RACE: 1960 TO 1979

[In thousands. See headnote, table 1372]

ITEM	Total	OWNER OCCUPIED			RENTER OCCUPIED			VACANT YEAR-ROUND	
		Total	Black	White and other	Total	Black	White and other	Total	For- rent
1960, total	56,551	32,795	1,811	30,964	20,226	2,979	17,246	3,531	1,592
Lacking some or all plumbing	8,992	3,470	644	2,826	4,315	1,363	2,952	1,208	469
Inside SMSA's	37,939	21,311	1,185	20,125	14,556	2,182	12,374	2,072	1,088
In central cities	20,147	9,141	852	8,289	9,942	1,862	8,080	1,064	720
Outside central cities	17,792	12,170	324	11,836	4,614	320	4,295	1,008	368
Outside SMSA's	18,612	11,484	625	10,868	5,670	797	4,872	1,459	604
1970, total	67,699	39,886	2,568	37,319	23,580	3,607	19,953	4,254	1,666
Lacking some or all plumbing	4,672	1,809	386	1,423	1,963	656	1,308	900	236
Inside SMSA's	46,083	26,090	1,825	24,265	17,769	2,913	14,856	2,224	1,142
In central cities	22,584	10,300	1,335	8,965	11,095	2,498	8,597	1,189	745
Outside central cities	23,499	15,790	490	15,300	6,674	416	6,259	1,035	397
Outside SMSA's	21,816	13,795	742	13,054	5,790	693	5,097	2,030	524
1979, total	84,588	51,411	3,711	47,700	27,160	4,643	22,517	6,014	1,600
Lacking some or all plumbing	2,353	731	182	549	984	340	644	638	126
Inside SMSA's	57,145	33,021	2,683	30,338	20,620	3,892	16,728	3,504	1,107
In central cities	25,389	11,787	1,856	9,931	11,911	3,115	8,796	1,692	651
Outside central cities	31,766	21,234	827	20,407	8,710	776	7,934	1,812	456
Outside SMSA's	27,441	18,391	1,028	17,363	6,540	752	5,788	2,510	493

Source of tables 1373-1375: U.S. Bureau of the Census, *Census of Housing, 1970*, vol. VI and *Current Housing Reports*, series H-150, Annual Housing Survey: 1979, part A, *General Housing Characteristics for the United States and Regions*.

Construction and Housing

No. 1376. HOUSING UNITS—SELECTED CHARACTERISTICS, BY STATES: 1980

STATE	Total units (1,000)	YEAR-ROUND UNITS							
		Owner occupied			Renter occupied			Vacancy rate	
		Total (1,000)	Per- cent lack- ing com- plete plumb- ing ¹	Median value, speci- fied owner (dol.)	Total (1,000)	Per- cent lack- ing com- plete plumb- ing ¹	Median contract rent, speci- fied renter (dol.)	Home- owner	Rental
U.S.	88,397	86,678	51,787	1.4	47,200	28,591	3.6	198	1.8 7.1
Ala.	1,467	1,449	941	2.7	33,900	400	7.7	119	1.6 8.3
Alaska.	163	154	77	11.7	76,300	55	8.6	340	3.6 15.4
Ariz.	1,110	1,066	653	1.9	54,700	303	2.6	227	2.8 11.6
Ark.	898	888	575	3.1	31,100	240	6.8	127	1.6 8.8
Calif.	9,279	9,221	4,825	.4	84,500	3,805	2.2	253	2.3 5.1
Colo.	1,194	1,169	684	.6	64,100	377	2.5	223	3.0 8.8
Conn.	1,159	1,144	699	.5	65,600	394	2.6	203	1.2 4.7
Del.	239	230	143	.9	44,400	64	3.6	202	1.7 9.2
D.C.	277	277	90	.5	68,800	163	3.0	207	4.0 5.9
Fla.	4,375	4,266	2,555	.6	45,100	1,186	2.3	208	2.4 9.8
Ga.	2,029	2,013	1,217	1.7	36,900	655	5.9	153	1.7 7.9
Hawai.	334	332	152	1.1	118,100	142	8.4	271	1.4 10.3
Idaho.	375	360	233	1.0	45,600	91	2.4	171	2.3 11.4
Ill.	4,317	4,300	2,532	.9	52,800	1,511	3.1	201	1.8 6.8
Ind.	2,092	2,063	1,382	1.1	37,200	545	2.9	166	1.6 8.5
Iowa.	1,131	1,121	756	1.1	40,600	296	3.2	175	1.6 7.3
Kans.	955	950	612	.8	37,800	260	2.1	168	2.3 9.2
Ky.	1,369	1,355	885	4.8	34,200	379	10.4	151	1.4 8.1
La.	1,548	1,534	925	1.4	43,000	486	4.2	156	1.5 8.1
Maine.	501	427	280	4.5	37,900	115	5.8	172	1.7 7.1
Md.	1,571	1,549	906	1.1	58,300	555	3.2	222	1.5 5.5
Mass.	2,208	2,140	1,170	.7	48,400	863	2.6	197	1.0 5.1
Mich.	3,590	3,448	2,322	.7	39,000	873	2.7	196	1.4 7.3
Minn.	1,613	1,530	1,036	.4	53,100	410	3.8	212	1.5 5.8
Miss.	912	904	588	3.5	31,400	239	11.9	109	1.3 8.2
Mo.	1,989	1,962	1,249	1.6	36,700	545	3.2	153	2.0 9.0
Mont.	328	315	195	1.5	46,500	89	4.1	165	1.3 11.0
Nebr.	625	619	391	.8	38,000	180	2.1	170	2.0 7.9
Nav.	340	337	181	.4	68,700	123	2.3	268	3.6 10.2
N.H.	386	349	219	1.8	48,000	105	3.9	205	1.7 6.1
N.J.	2,772	2,688	1,580	.7	60,200	969	3.0	226	1.4 4.8
N. Mex.	506	492	300	3.6	45,300	141	3.6	177	2.1 11.0
N.Y.	6,869	6,698	3,083	1.2	45,600	3,257	3.8	210	1.2 4.1
N.C.	2,271	2,220	1,396	2.4	36,000	645	7.8	134	1.5 7.8
N. Dak.	259	253	156	1.9	43,900	71	3.7	175	2.6 8.9
Ohio.	4,108	4,077	2,623	1.1	44,900	1,211	3.0	167	1.5 7.7
Okl.	1,237	1,229	791	1.1	35,600	328	2.3	164	2.3 10.8
Oreg.	1,083	1,071	646	.7	56,900	346	2.7	212	2.0 7.4
Pa.	4,597	4,510	2,951	1.1	39,100	1,269	3.6	173	1.4 6.8
R.I.	373	363	199	.9	46,800	140	2.8	158	1.1 7.5
S.C.	1,154	1,121	723	2.2	35,100	307	8.6	130	1.6 8.9
S. Dak.	277	269	168	2.2	36,600	75	3.7	148	2.1 10.1
Tenn.	1,747	1,737	1,110	2.7	35,600	508	5.8	148	1.7 7.9
Tex.	5,549	5,480	3,169	1.5	39,100	1,760	2.8	213	2.5 10.9
Utah.	490	481	317	.5	57,300	131	1.9	187	2.6 7.8
Vt.	223	198	123	2.3	42,200	56	3.7	174	1.5 6.2
Va.	2,021	1,998	1,221	3.2	48,000	641	6.2	207	1.7 6.5
Wash.	1,689	1,650	1,011	.6	59,900	529	2.4	219	2.1 7.3
W. Va.	748	736	505	4.2	38,500	181	10.2	135	1.3 7.2
Wis.	1,864	1,753	1,127	1.3	48,600	525	3.3	185	1.3 5.0
Wyo.	188	182	115	.8	59,800	51	3.2	217	2.2 9.7

¹ Represents housing units that do not have all three specified plumbing facilities (hot and cold piped water, a flush toilet, and a bathtub or shower) for the exclusive use of the occupants.

Source: U.S. Bureau of the Census, 1980 Census of Housing, Supplementary Reports, HC80-S1-1.

Occupied Housing Units

763

No. 1377. OCCUPIED HOUSING UNITS—TENURE, AND POPULATION PER OCCUPIED UNIT, BY RACE OF HOUSEHOLD HEAD AND BY RESIDENCE: 1920 TO 1979

[In thousands, except as indicated. Prior to 1960, excludes Alaska and Hawaii. Tenure allocated for housing units which did not report. Minus sign (-) denotes decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series N 238-245]

YEAR, RACE, AND RESIDENCE	OCCUPIED UNITS ¹					AVERAGE ANNUAL PERCENT CHANGE ²		Population per-occupied unit ⁴	
	Total	Owner occupied		Renter occupied		Total occupied units	Total population ³		
		Number	Percent	Number	Percent				
TOTAL									
1920.....	24,352	11,114	46.6	13,238	54.4	1.9	1.4	4.3	
1930.....	29,905	14,280	47.8	15,624	52.2	2.1	1.5	4.1	
1940.....	34,855	15,196	43.6	19,659	56.4	1.5	.7	3.8	
1950.....	42,826	23,580	55.0	19,266	45.0	2.1	1.4	3.5	
1960.....	53,024	32,797	61.9	20,227	38.1	2.2	1.7	3.4	
1970.....	63,445	39,886	62.9	23,560	37.1	1.8	1.2	3.2	
1975.....	72,523	46,887	64.6	25,656	35.4	2.7	1.0	(NA)	
1976.....	74,005	47,904	64.7	26,101	35.3	2.0	1.0	(NA)	
1977.....	75,280	48,765	64.8	26,515	35.2	1.7	1.0	(NA)	
1978.....	77,167	50,283	65.2	26,884	34.8	2.5	1.1	(NA)	
1979.....	78,572	51,411	65.4	27,160	34.6	1.8	1.1	(NA)	
RACE									
White:									
1920.....	21,826	10,511	48.2	11,315	51.8	(NA)	1.5	4.3	
1930.....	26,983	13,544	50.2	13,439	49.8	2.1	1.5	4.1	
1940.....	31,561	14,418	45.7	17,143	54.3	1.6	.7	3.7	
1950.....	39,044	22,241	57.0	16,803	43.0	2.2	1.3	3.3	
1960.....	47,880	30,823	64.4	17,057	35.6	2.1	1.6	3.2	
1970.....	56,529	36,979	65.4	19,551	34.6	1.7	1.2	3.1	
1975.....	63,860	43,072	67.4	20,788	32.6	2.5	.8	(NA)	
1976.....	65,114	44,024	67.6	21,090	32.4	2.0	.6	(NA)	
1977.....	66,111	44,762	67.7	21,349	32.3	1.5	.6	(NA)	
1978.....	67,684	46,076	68.1	21,588	31.9	2.4	.7	(NA)	
1979.....	68,786	47,055	68.4	21,731	31.6	1.7	.7	(NA)	
Black and other:									
1920.....	2,526	603	23.9	1,923	76.1	(NA)	.6	4.3	
1930.....	2,922	737	25.2	2,185	74.8	1.5	1.4	4.3	
1940.....	3,293	778	23.6	2,516	76.4	1.2	.7	4.1	
1950.....	3,783	1,319	34.9	2,464	65.1	1.4	1.6	3.9	
1960.....	5,144	1,974	38.4	3,171	61.6	3.1	2.4	3.9	
1970.....	6,920	2,907	42.0	4,014	58.0	3.0	2.3	3.5	
1975.....	8,663	3,795	43.8	4,888	56.2	4.6	2.1	(NA)	
1976.....	8,891	3,880	43.6	5,011	56.4	2.6	2.0	(NA)	
1977.....	9,169	4,002	43.7	5,166	56.3	3.1	1.9	(NA)	
1978.....	9,503	4,207	44.3	5,296	55.7	3.6	2.0	(NA)	
1979.....	9,786	4,356	44.5	5,429	55.5	3.0	2.0	(NA)	
RESIDENCE									
Nonfarm:									
1920.....	17,600	7,189	40.8	10,411	59.2	2.2	(NA)	4.2	
1930.....	23,300	10,721	46.0	12,579	54.0	2.8	2.3	4.0	
1940.....	27,748	11,413	41.1	16,335	58.9	1.8	.9	3.7	
1950.....	37,105	19,802	53.4	17,304	46.6	2.9	2.4	3.3	
1960 ⁵	49,459	30,164	61.0	19,294	39.1	2.9	2.5	3.9	
1970 ⁵	60,351	37,993	62.0	22,957	38.0	2.0	1.7	3.1	
1975 ⁵	69,880	44,714	64.0	25,166	36.0	3.0	(NA)	(NA)	
1976 ⁵	71,335	45,711	64.1	25,624	35.9	2.1	(NA)	(NA)	
1977 ⁵	72,661	46,602	64.1	26,060	35.9	1.9	(NA)	(NA)	
1978 ⁵	74,847	48,322	64.6	26,525	35.4	3.0	(NA)	(NA)	
Farm:									
1920 ⁴	6,751	3,925	58.1	2,827	41.9	1.0	(NA)	4.7	
1930.....	6,605	3,560	53.9	3,045	46.1	-.2	-.5	4.6	
1940.....	7,107	3,783	55.2	3,324	46.8	-.7	(Z)	4.3	
1950.....	5,721	3,758	65.7	1,963	34.3	-2.1	-2.8	4.0	
1960 ⁵	3,566	2,633	73.8	933	26.2	-4.6	-3.8	3.8	
1970 ⁵	3,095	2,492	80.5	603	19.5	-1.4	-4.7	3.4	
1975 ⁵	2,644	2,154	81.5	490	18.5	-3.1	(NA)	(NA)	
1976 ⁵	2,670	2,193	82.1	477	17.9	1.0	(NA)	(NA)	
1977 ⁵	2,618	2,164	82.7	455	17.4	-2.0	(NA)	(NA)	
1978 ⁵	2,320	1,961	84.5	359	15.5	-11.4	(NA)	(NA)	

NA Not available. Z Less than .05 percent. ¹ Statistics on the number of occupied units are essentially comparable although identified by various terms—the term "family" applies to figures for 1920 and 1930; "occupied dwelling unit," 1940 and 1950; "occupied housing unit," 1960 to 1979. For 1920, includes the small number of quasi-families; for 1930, represents private families only. ²For 1920, change from 1910. ³Based on total resident population; see tables 1, 2, and 26. ⁴From 1950 to 1970, population in occupied housing units was determined by dividing population in housing units by number of occupied housing units. Population data exclude persons in institutions and other group quarters (see table 77). ⁵Not comparable with data for earlier censuses because of a basic change in definition of farm residence. For definitions used in 1960 and 1970, see text, p. 656. ⁶Includes a small proportion of urban-farm families in addition to rural-farm.

Source: U.S. Bureau of the Census, *Census of Population and Housing: 1960 and 1970*; and *Current Housing Reports*, series H-150, Annual Housing Survey, part A, *General Characteristics for the United States and Regions*.

Construction and Housing

No. 1378. OCCUPIED HOUSING UNITS—PERCENT OF HOME OWNERSHIP, BY RACE OF HOUSEHOLD HEAD, INSIDE AND OUTSIDE SMSA'S, BY REGION: 1960 TO 1979

[See headnote, table 1372. For composition of regions, see fig. 1 inside front cover]

YEAR AND REGION	TOTAL		INSIDE SMSA'S						OUTSIDE SMSA'S	
	White	Black ¹	Total		In central cities		SMSA remainder		White	Black ¹
			White	Black ¹	White	Black ¹	White	Black ¹		
1960: United States	64.4	38.4	62.1	35.7	51.1	31.7	73.4	51.6	69.0	44.8
Northeast	58.1	27.0	55.5	26.4	37.5	22.3	72.6	46.7	70.0	42.0
North Central	69.1	35.8	67.3	34.2	56.0	31.4	79.2	56.5	72.0	54.3
South	66.4	41.6	65.9	39.7	60.5	35.9	72.3	51.3	67.1	43.6
West	62.5	44.6	61.6	42.5	55.0	38.4	67.7	54.0	65.5	54.6
1970: United States	65.4	41.6	62.3	38.5	51.3	34.8	71.1	54.1	72.1	51.7
Northeast	60.4	28.6	57.4	28.1	38.8	24.2	71.7	47.3	72.1	42.6
North Central	70.2	42.0	67.8	41.3	56.5	38.8	76.5	58.8	74.4	56.3
South	68.2	46.9	65.3	43.4	59.5	39.1	70.7	57.3	71.9	52.0
West	60.2	40.1	58.6	40.0	52.0	36.6	63.6	49.6	66.1	42.1
1979: United States	68.4	44.4	65.0	40.8	53.8	37.3	72.3	51.6	75.2	57.8
Northeast	63.3	31.4	60.1	31.0	41.2	27.4	71.8	45.8	73.8	37.0
North Central	72.9	44.2	71.2	43.8	60.4	41.0	77.6	58.0	75.9	49.5
South	72.0	50.4	67.5	44.8	58.8	40.5	73.8	55.6	77.4	60.3
West	62.5	39.2	60.9	39.5	54.8	39.1	64.9	40.5	68.1	33.3

¹ For 1960, represents Black and other races.Source: U.S. Bureau of the Census, *Census of Population and Housing: 1970*, PHC(2), *General Demographic Trends for Metropolitan Areas, 1960 to 1970*; and *Current Housing Reports*, series H-150-79, Annual Housing Survey: 1979, part A.**No. 1379. OCCUPIED HOUSING UNITS—FINANCIAL SUMMARY: 1970 AND 1979**

[In thousands, except as indicated. See headnote, table 1372. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	1970				1979				Outside SMSA's	
	Total	Inside SMSA's			Total	Inside SMSA's				
		Total	In central cities	Not in central cities		Total	In central cities	Not in central cities		
Occupied units, total	63,445	43,859	21,395	22,464	19,586	78,572	53,641	23,697	29,944	24,931
Median income:										
Owner occupied (\$1,000)	9.7	11.0	10.1	11.6	7.5	18.3	20.3	18.0	21.4	15.2
Renter occupied (\$1,000)	6.3	6.7	6.1	7.7	5.3	10.0	10.3	9.1	11.8	9.0
Specified owner occupied ¹	31,726	22,059	8,543	13,516	9,667	41,336	27,923	9,863	18,059	13,414
With value of—										
Less than \$20,000	19,556	11,963	5,608	6,356	7,594	4,034	1,824	1,119	705	2,211
\$20,000-\$24,999	4,680	3,740	1,214	2,526	940	2,352	1,227	684	543	1,125
\$25,000-\$34,999	4,444	3,709	1,044	2,665	736	6,081	3,455	1,702	1,752	2,636
\$35,000-\$49,999	2,050	1,760	444	1,316	289	10,090	6,657	2,370	4,287	3,433
\$50,000-\$74,999	997	887	234	653	110	10,608	7,843	2,248	5,594	2,765
\$75,000 and over						8,160	6,919	1,740	5,178	1,241
Median—										
Value (\$1,000)	17.1	19.0	16.4	20.8	12.2	47.1	52.3	43.7	57.1	38.0
Real estate taxes ² (dol.)	(NA)	(NA)	(NA)	(NA)	(NA)	\$453	\$575	\$431	\$649	\$255
Units monthly costs ³										
With mortgages (dol.)	(NA)	(NA)	(NA)	(NA)	(NA)	\$337	\$354	\$310	\$378	\$294
Owned clear (dol.)	(NA)	(NA)	(NA)	(NA)	(NA)	\$116	\$130	\$118	\$138	\$99
Specified renter occupied ⁴	22,334	17,433	11,033	6,401	4,900	26,550	20,473	11,906	8,567	6,077
With gross rent of—										
Less than \$80	5,466	3,499	2,619	879	1,968	1,482	983	748	235	500
\$80-\$99	3,701	2,879	2,099	778	822	877	560	398	162	317
\$100-\$119	3,332	2,739	1,845	894	592	3,216	2,200	1,613	588	1,016
\$120-\$149	3,772	3,283	1,967	1,316	485	5,155	3,753	2,545	1,208	1,402
\$150-\$199	3,304	2,986	1,525	1,461	318	9,411	7,810	4,338	3,473	1,600
\$200-\$299	1,194	1,110	547	563	84	4,526	1,972	2,552	348	593
\$300 and over	265	254	145	108	12	5,119	640	293	647	
No cash rent	1,300	685	284	400	615	1,287	1,287	1,287	1,287	
Median rent	\$108	\$114	\$107	\$130	\$84	\$217	\$229	\$209	\$255	\$181

NA Not available. ¹ Includes only 1-family homes on less than 10 acres and no business on the property. ² Taxes paid previous year. ³ Covers real estate taxes, property insurance, utilities, fuel, water, garbage and trash collection, and mortgage.⁴ Excludes 1-family homes on 10 acres or more.Source: U.S. Bureau of the Census, *Current Housing Reports*, H-150-79 Annual Housing Survey: 1979 part A, *General Housing Characteristics for the United States and Regions*.

Housing Characteristics

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NO. 1380. SELECTED CHARACTERISTICS OF OCCUPIED UNITS: 1960 TO 1980

[Percent distribution. Annual averages]

CHARACTERISTIC	OCCUPIED, 1960 ¹			OCCUPIED, 1970 ¹			OCCUPIED, 1979			OCCUPIED, 1980		
	Total	Owner	Renter	Total	Owner	Renter	Total	Owner	Renter	Total	Owner	Renter
Rooms in unit:												
1-2 rooms.....	6	23	14	4	17	10	4	1	11	4	1	10
3-4 rooms.....	32		51	28		51	29	15	56	29	15	56
5 rooms.....	26	29	19	26	28	21	24	26	19	24	26	20
6 rooms.....	20	26	10	22	27	11	21	27	9	21	27	9
7 rooms or more.....	16	22	6	20	28	7	22	31	5	22	31	5
Units in structure:												
1 unit.....	76	94	48	74	94	38	73	94	33	73	94	34
2-4 units.....	13	1	25	14		29	13	4	28	12	4	27
5-9 units.....	11	6	9	4	6	11	14	2	12	15	2	12
10 units or more.....												
With all plumbing facilities.....	84	89	77	95	97	91	98	99	96	98	99	96
Year structure built:												
1965 or later.....	(x)	(x)	(x)	12		13	9	39	34	30	34	35
1960-1964.....	(x)	(x)	(x)	13	13	10	10	10	9	10	10	9
1950-1959.....	27	34	16	19	24	12	17	20	12	17	20	12
1940-1949.....	15	16	13	14	14	13	9	9	9	9	9	9
1939 or earlier.....	58	50	71	43	36	56	31	27	40	30	26	38

X Not applicable. ¹ As of April 1.

Source: U.S. Bureau of the Census, *Census of Housing, 1960 and 1970; Current Housing Reports*, series H-150-79, and unpublished data.

NO. 1381. CHARACTERISTICS OF HOMEOWNERS AND RENTERS, BY INCOME: 1979

[Income data refer to the 12 months prior to interviews, which were conducted between October and December]

CHARACTERISTIC	OWNER OCCUPIED UNITS WITH INCOME OF—				RENTER OCCUPIED UNITS WITH INCOME OF—			
	Under \$10,000	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 and over	Under \$10,000	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 and over
	PERCENT							
Occupied units, total (1,000).....	12,309	8,403	14,891	15,809	13,584	5,971	5,445	2,181
Male head, wife present, no relatives.....	41.6	67.7	81.2	89.6	21.1	43.2	57.0	69.8
Female head (2 or more persons).....	13.9	12.6	7.4	3.6	26.7	15.5	10.7	6.2
One-person household.....	41.5	14.9	7.4	3.3	45.2	32.2	24.2	17.1
Household head 65 years and over.....	57.9	28.0	14.1	9.6	27.9	9.7	7.5	7.2
Own children under 18 years.....	17.1	38.7	51.9	53.2	29.6	35.7	36.9	37.4
Lacking some or all plumbing facilities.....	4.0	1.4	.6	.2	5.7	2.2	1.1	.7
With 1.01 persons or more per room.....	2.2	3.4	3.6	3.0	5.7	6.7	5.2	4.8
Built 1960 or later.....	31.5	40.9	46.1	54.2	33.4	41.3	46.1	53.7
With units inside SMSA's ¹ :								
In central cities.....	53.7	59.7	64.2	74.9	73.5	75.3	79.5	84.0
With air-conditioning ²	23.3	23.3	22.4	22.9	47.8	40.3	39.9	38.8

¹ For definition, see text, Appendix II. ² Covers room units and central systems.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-79, Annual Housing Survey: 1979, part B and part C.

NO. 1382. OCCUPIED UNITS—SELECTED STRUCTURAL DEFICIENCIES, BY RESIDENCE: 1978

[Data based on respondent's opinion of his/her unit. See headnote, table 1372]

ITEM	U.S. total	Total in SMSA's	In central cities of SMSA's	Not in central cities of SMSA's	Outside SMSA's	North-east	North Central	South	West
Occupied units (1,000).....	77,167	52,722	23,436	29,286	24,445	16,952	20,171	25,094	14,950
Percent of units with—									
Some or all wiring exposed.....	3.2	2.7	3.0	2.5	4.1	2.8	3.0	3.6	3.2
Signs of water leakage—									
In roof.....	6.1	5.6	6.3	5.1	7.2	5.8	5.5	7.1	5.8
In basement.....	11.0	10.5	9.1	11.7	12.0	18.4	18.0	4.8	3.6
Cracks or holes in walls	5.9	5.9	8.1	4.2	6.0	7.1	4.8	6.7	4.9
Broken plaster.....	3.7	3.8	5.5	2.4	3.6	5.2	3.5	3.6	2.4
Peeling paint.....	4.5	4.7	6.7	3.0	4.0	6.6	3.8	4.2	3.4
Holes in floor.....	1.9	1.7	2.4	1.2	2.2	2.1	1.1	2.7	1.3

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-78, Annual Housing Survey: 1978, part B and part C.

Construction and Housing

No. 1383. HEATING EQUIPMENT AND FUELS FOR OCCUPIED UNITS: 1950 TO 1979

[In thousands, except percent]

ITEM	1950	1960	1970	1975	1979	PERCENT DISTRIBUTION				
						1950	1960	1970	1975	1979
Occupied units, total	42,826	53,024	63,445	72,523	78,572	100.0	100.0	100.0	100.0	100.0
Warm air furnace	11,508	17,378	27,515	36,999	42,198	26.9	32.8	43.4	51.0	53.7
Steam or hot water	10,071	11,990	13,211	13,792	13,679	23.5	22.6	20.8	19.0	17.4
Floor, wall, or pipeless furnace	(1)	6,088	5,552	6,580	6,225	(1)	11.5	8.8	9.1	7.9
Built-in electric units	-	664	3,236	4,625	5,956	-	1.3	5.1	6.4	7.6
Room heaters with flue	15,399	11,183	7,209	4,747	4,316	36.0	21.1	11.4	6.5	5.5
Room heaters without flue	5,288	5,218	3,558	3,330	3,050	12.3	9.8	5.6	4.6	3.9
Fireplaces, stoves, or heaters	(3)	(3)	2,766	1,982	2,578	(3)	(3)	4.4	2.7	3.3
None	561	503	398	468	570	1.4	.9	.6	.6	.7
House heating fuel:										
Utility gas	11,387	22,851	35,014	40,933	43,322	26.6	43.1	55.2	56.4	55.1
Fuel oil, kerosene, etc.	9,686	17,158	16,473	16,299	15,708	22.6	32.4	26.0	22.5	20.0
Electricity	283	933	4,876	9,173	13,244	.7	1.8	7.7	12.6	16.9
Bottled, tank, or LP gas	787	2,686	3,807	4,146	4,134	1.8	5.1	6.0	5.7	5.3
Wood and other fuel	4,855	2,460	1,060	930	1,235	11.3	4.6	1.7	1.3	1.6
Coal or coke	14,828	6,456	1,821	573	358	34.6	12.2	2.9	.8	.4
None	999	478	395	468	570	2.3	.9	.6	.6	.7
Cooking fuel:										
Electricity	6,403	16,351	25,768	33,944	38,779	15.0	30.8	40.6	46.8	50.3
Utility gas	22,084	27,296	31,244	32,493	32,576	51.6	51.5	49.2	44.8	42.2
Bottled, tank, or LP gas	3,417	6,491	5,314	5,440	5,225	8.0	12.2	8.4	7.5	6.8
Other fuel	10,796	2,603	908	332	352	25.2	4.9	1.4	.5	.5
None	124	280	213	315	236	.3	.5	.3	.4	.3

- Represents zero. ¹ "Floor, wall, or pipeless furnace" included in "Warm air furnace." ² Includes heat pumps.
³ "Fireplaces, stoves, or portable heaters" included in "Room heaters with flue." ⁴ Portable heaters.

⁵ 1978 data. Source: U.S. Bureau of the Census, *Census of Housing, 1960*, vol. I, No. 1; *Census of Housing, 1970*, vol. I; and *Current Housing Reports*, series H-150, Annual Housing Survey, part A, *General Housing Characteristics for the United States and Regions*.

No. 1384. SELECTED ELECTRICAL APPLIANCES—NUMBER AND PERCENT OF HOMES WITH APPLIANCES: 1960 TO 1979

[As of December 31. Percentages based on total number of homes wired for electricity. See also table 1461]

ITEM	HOMES WITH APPLIANCES (mil.)						PERCENT WITH APPLIANCES					
	1960	1965	1970	1975	1978	1979	1960	1965	1970	1975	1978	1979
Number of wired homes	51.7	57.6	84.0	72.7	77.8	79.4	(x)	(x)	(x)	(x)	(x)	(x)
Air-conditioners, room	7.8	13.9	26.0	39.4	43.1	44.1	15.1	24.2	40.6	52.8	55.4	55.5
Bed coverings	12.2	20.0	31.7	41.4	48.1	51.0	23.6	34.7	49.5	57.0	61.8	64.2
Blenders	4.2	7.5	23.4	32.9	39.9	41.6	8.0	13.0	36.5	45.2	51.2	52.4
Can openers	2.5	14.2	29.1	39.7	47.3	50.5	4.8	24.7	45.5	54.6	60.7	63.6
Coffeemakers	30.2	41.3	56.7	71.0	77.7	79.3	58.3	71.7	88.6	97.7	99.8	99.9
Dishwashers	3.7	7.8	17.0	27.9	32.6	34.2	7.1	13.5	26.5	38.3	41.9	43.0
Disposers, food waste	5.4	7.8	16.3	28.2	33.4	34.1	10.5	13.6	25.5	38.8	42.0	43.0
Dryers, clothes (incl. gas)	10.1	15.2	25.6	42.0	46.8	48.8	19.5	26.4	44.6	57.7	60.3	61.5
Freezers	12.1	15.7	20.0	31.6	34.9	35.5	23.4	27.2	31.2	43.5	44.9	44.7
Frypans	22.5	28.3	36.0	45.8	53.2	54.0	43.4	49.2	56.2	63.0	68.3	68.0
Hotplates and buffet ranges	12.5	13.1	15.7	19.1	20.4	20.7	24.2	22.7	24.5	26.2	26.3	26.0
Irons, total	45.7	57.1	63.8	72.6	77.1	79.3	68.4	99.1	99.7	99.9	99.9	99.9
Steam and steam/spray	30.6	43.5	56.5	70.7	76.7	79.2	59.2	75.5	88.2	97.2	99.0	99.8
Microwave ovens	(NA)	(NA)	(NA)	2.3	5.5	6.1	(NA)	(NA)	(NA)	3.2	7.1	7.6
Mixers, food	29.0	41.9	52.8	65.6	71.8	73.7	56.0	72.8	82.4	90.2	92.2	92.8
Radios	50.3	57.3	63.9	72.6	77.8	79.3	94.3	99.5	99.8	99.9	99.9	99.9
Ranges: Free-standing	16.0	18.5	25.9	35.8	39.5	39.7	30.9	32.1	40.5	49.2	50.8	50.0
Built-in	3.3	5.9	9.6	14.0	15.4	15.4	6.4	10.3	15.0	19.3	19.8	19.4
Refrigerators	50.8	57.3	68.9	72.6	77.6	79.2	98.2	99.5	99.8	99.9	99.7	99.8
Television: Black and white	46.2	55.9	63.2	72.6	77.8	79.3	89.4	97.1	98.7	99.9	99.9	99.9
Color	(NA)	5.5	27.2	54.1	66.3	71.3	(NA)	9.5	42.5	74.4	85.2	89.8
Toasters	37.2	48.1	59.3	71.7	77.8	79.3	72.0	83.6	92.6	98.6	99.9	99.9
Vacuum cleaners	38.4	48.1	58.9	72.1	77.7	79.3	74.3	83.5	92.0	99.2	99.9	99.9
Washers	28.6	33.1	89.8	50.8	58.5	61.4	55.4	57.4	62.1	69.9	75.2	77.3

NA Not available. X Not applicable. ¹ Based on 53,300,000 homes in 1960, and 58,566,000 in 1965.Source: Gralla Publications, Inc., New York, N.Y., *Merchandising*, annual statistical issues. (Copyright.)

Heating Fuel and Equipment—Maintenance Expenditures

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No. 1385. HOUSING UNITS—SELECTED CHARACTERISTICS, BY TYPE OF PRIMARY HEATING FUEL AND EQUIPMENT: 1978-1979

[In thousands. As of winter 1978-1979. Excludes Alaska and Hawaii. Covers year-round units only. For composition of regions, see fig. 1, inside front cover]

ITEM	Total occupied housing units ¹	PRIMARY HEATING FUEL				PRIMARY HEATING EQUIPMENT					
		Natural gas	Fuel oil, kerosene	Electricity	LPG ²	Wood	Warm air furnace with ducts	Steam or hot water system	Room heaters ³	Floor, wall, or pipeless furnace	
Total ⁴	76,608	41,845	16,919	12,071	3,124	1,885	38,394	12,365	7,472	5,999	5,608
Northeast	17,363	6,962	8,829	1,435	85	22	6,482	8,432	192	211	1,255
North Central	20,614	15,298	3,117	1,095	782	240	14,498	2,582	1,352	707	593
South	24,603	10,018	4,187	6,720	1,996	1,233	10,809	886	4,294	2,554	1,826
West	14,028	9,567	787	2,822	260	391	6,606	665	1,644	2,527	1,835
Urban	56,823	36,626	11,330	7,544	702	79	29,326	10,542	5,381	4,842	3,457
Rural	19,785	5,219	5,589	4,527	2,423	1,807	9,069	1,823	2,093	1,188	2,151
Heating and cooling degree day zones: ⁵											
Less than 2,000 CDD and—											
More than 7,000 HDD	6,267	2,882	1,930	1,140	176	22	3,120	1,402	393	188	1,057
5,500-7,000 HDD	21,806	14,311	4,563	2,032	321	192	13,056	5,009	640	914	1,240
4,000-5,499 HDD	20,319	9,327	7,517	2,293	569	562	9,774	5,644	1,134	759	1,457
Less than 4,000 HDD	16,814	9,330	1,827	3,481	1,035	823	7,005	277	2,526	3,019	1,409
More than 2,000 CDD and less than 4,000 HDD	11,602	5,895	1,082	3,124	1,023	286	5,437	33	2,779	1,119	446
Single family detached	48,547	26,942	11,138	6,424	1,895	1,680	25,246	5,956	5,102	4,207	3,016
Single family attached	3,128	2,244	353	435	41	17	1,945	602	153	111	283
2-4 unit building	10,749	6,742	2,129	1,586	242	—	4,964	2,659	1,299	568	895
5 or more unit building	9,151	4,427	2,027	2,503	22	—	2,897	3,112	542	625	1,191
Mobile home	4,805	1,295	1,272	1,110	924	188	3,329	37	312	487	209
Year house built:											
1939 or earlier	25,159	14,318	7,690	1,135	841	788	8,998	7,116	3,659	2,056	892
1940-1949	7,548	4,873	1,868	408	120	205	3,512	1,275	885	1,109	239
1950-1959	13,761	7,951	3,636	1,336	374	228	7,727	1,602	1,537	1,161	537
1960-1969	16,127	8,913	2,172	3,791	883	322	8,918	2,091	1,042	991	1,806
1970-1974	8,768	3,716	1,124	3,044	712	172	5,897	229	313	585	1,213
1975 or later	5,245	2,074	430	2,357	194	171	3,343	54	35	98	920

— Represents zero or rounds to zero. ¹ Includes types of fuel and equipment not shown separately. ² Liquid petroleum gas. ³ With or without flue. ⁴ Includes other type of housing structure not shown separately. ⁵ See fig. 7.2, p. 219.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Characteristics of the Housing Stock and Households*, February 1980.

No. 1386. EXPENDITURES BY RESIDENTIAL PROPERTY OWNERS FOR IMPROVEMENTS AND MAINTENANCE AND REPAIRS: 1970 TO 1980

[In millions of dollars, except averages]

YEAR AND TYPE OF EXPENDITURE	All properties	1-unit properties with owner occupant	Other properties	ADDITIONS AND ALTERATIONS			Major construction replacements	Maintenance and repairs
				Total	Residential	Other property		
1970: All properties ¹	14,770	9,469	5,301	6,246	4,950	1,298	2,629	5,895
Average per property	\$297	\$265	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1975: All properties ¹	25,239	15,684	9,556	10,997	8,815	2,182	4,484	9,758
Average per property	\$459	\$382	\$685	\$200	\$160	\$40	\$82	\$178
1978: All properties ¹	37,461	24,189	13,272	16,458	12,155	4,302	8,094	12,909
Average per property	\$646	\$562	\$893	\$284	\$210	\$74	\$140	\$222
1979: All properties ¹	42,231	28,280	13,951	18,285	12,922	5,363	6,996	14,950
Average per property	\$712	\$638	\$954	\$310	\$219	\$91	\$153	\$253
Heating and air-conditioning ²	3,405	2,261	1,154	710	710	(NA)	1,845	850
Plumbing	3,715	2,055	1,660	673	673	(NA)	1,486	1,576
Roofing	3,976	2,536	1,440	(NA)	(NA)	(NA)	2,604	1,372
Painting	5,306	3,141	2,165	(NA)	(NA)	(NA)	(NA)	5,306
1980: All properties ¹	46,338	31,481	14,857	21,338	15,376	5,960	8,816	15,187
Average per property	\$761	\$698	\$994	\$355	\$256	\$99	\$163	\$253
Heating and air-conditioning ²	4,307	2,866	1,441	876	876	(NA)	2,459	972
Plumbing	3,980	2,325	1,655	797	797	(NA)	1,577	1,606
Roofing	4,331	2,975	1,356	(NA)	(NA)	(NA)	3,160	1,172
Painting	5,709	3,110	2,599	(NA)	(NA)	(NA)	(NA)	5,709

NA Not available. ¹ Includes types of expenditures not separately specified.

² Central air-conditioning.

Source: U.S. Bureau of the Census, *Construction Reports*, series C50.

Construction and Housing

NO. 1387. LOW-RENT PUBLIC HOUSING UNITS, BY PROGRESS STAGE: 1960 TO 1980

[In thousands. As of Dec. 31. Housing for the elderly designed for persons 62 years old or over, disabled, or handicapped. Includes Puerto Rico and Virgin Islands. Covers units subsidized by HUD under annual contributions contracts. See also *Historical Statistics, Colonial Times to 1970*, series N 186-191]

YEAR AND PROGRAM	Total	Occupied units ¹	Under construction	Other ²	YEAR AND PROGRAM	Total	Occupied units ¹	Under construction	Other ²
1960.....	593.3	478.2	36.4	78.8	1979.....	1,338.5	1,254.6	23.5	60.4
Elderly.....	18.9	1.1	4.1	13.7	Elderly.....	323.0	307.3	7.0	8.7
1965.....	735.7	604.9	42.4	88.4	New construction.....	1,103.0	1,064.7	17.7	20.6
Elderly.....	97.7	36.2	21.6	40.0	Conventional ³	868.1	853.0	6.2	8.9
1970.....	1,155.3	893.5	126.8	135.0	Turkey ⁴	234.9	211.7	11.5	11.7
Elderly.....	249.4	143.4	65.7	40.3	Acquisition ⁵	117.3	71.7	5.8	39.8
1973.....	1,323.6	1,109.1	96.7	117.8	Leased housing ⁶	118.2	118.2	-	-
Elderly.....	333.9	261.8	35.8	36.3	New.....	46.5	46.5	-	-
1974.....	1,314.0	1,151.0	64.8	98.2					
Elderly.....	327.3	265.1	32.3	29.9	1980.....	1,384.4	1,281.7	32.9	69.8
1975.....	1,316.7	1,180.4	52.9	83.4	Elderly.....	335.6	318.1	7.1	10.4
Elderly.....	336.3	288.3	24.3	23.7	New construction.....	1,130.4	1,081.3	23.1	26.0
1976.....	1,305.4	1,181.5	63.4	60.5	Conventional ³	883.5	860.0	10.4	13.1
Elderly.....	321.3	293.0	14.9	13.4	Turkey ⁴	246.9	221.3	12.7	12.9
1977.....	1,308.8	1,187.7	63.6	57.5	Acquisition ⁵	135.3	81.7	9.8	43.8
Elderly.....	322.3	295.0	15.3	12.0	Leased housing ⁶	118.7	-	-	-
1978.....	1,224.8	1,206.8	9.4	8.6	New.....	46.5	46.5	-	-
Elderly.....	309.0	304.7	2.3	2.0					

¹ Represents zero. ² Under management or available for occupancy. ³ To be constructed or to go directly "under management" because no rehabilitation needed. ⁴ New housing constructed on the Local Housing Authority (LHA) site pursuant to a contract let by the LHA. ⁵ New housing purchased by the LHA from a private developer upon completion of construction pursuant to an earlier agreement. ⁶ Existing housing acquired by the LHA. ⁷ Existing housing leased by LHA from an owner under a contract permitting LHA to sub-lease the units.

Source: U.S. Dept. of Housing and Urban Development, unpublished data.

NO. 1388. NEW APARTMENTS COMPLETED AND RENTED IN 3 MONTHS: 1975 TO 1980

[1980 data are preliminary. Structures with 5 or more units, privately financed, nonsubsidized, unfurnished apartments. Based on sample and subject to sampling variability. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	NUMBER (1,000)						PERCENT RENTED IN 3 MONTHS					
	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980
Total.....	223	157	196	229	241	194	70	80	80	82	82	75
Rent: Under \$150.....	14.7	6.8	6.4	3.6	2.5		79	84	85	89	94	
\$150-\$174.....	34.7	14.4	14.5	13.1	6.1	6.1	77	82	75	82	96	80
\$175-\$199.....	47.6	35.0	30.4	25.2	15.1		74	82	84	81	85	
\$200-\$249.....	63.8	56.9	72.5	71.6	66.0	32.4	73	80	83	84	84	83
\$250 or more.....	62.1	43.9	71.8	115.2	151.5	155.6	58	79	77	80	81	73
Bedrooms: Less than 2.....	101.3	75.1	87.8	112.6	119.1	92.4	73	86	83	84	80	76
2.....	109.0	74.5	100.6	107.8	113.3	94.3	68	77	78	80	86	74
3 or more.....	12.7	7.4	7.3	8.3	8.7	7.4	63	59	77	77	84	63

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-130, and unpublished data.

NO. 1389. VACANT HOUSING UNITS—PERCENT, BY STATUS: 1975 TO 1980

[Annual averages. See headnote, table 1390. See also *Historical Statistics, Colonial Times to 1970*, series N 247-248]

STATUS	TOTAL				INSIDE SMSA'S				OUTSIDE SMSA'S			
	1975	1978	1979	1980	1975	1978	1979	1980	1975	1978	1979	1980
All units.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Occupied.....	91.3	91.7	91.1	90.8	92.8	93.2	92.9	92.9	88.1	88.6	87.6	86.4
Vacant, seasonal.....	2.1	2.0	2.0	2.4	.9	.7	.5	.6	4.6	4.7	5.0	6.0
Vacant, year-round.....	6.6	6.3	6.9	6.8	6.3	6.1	6.6	6.5	7.3	6.7	7.4	7.6
For rent.....	2.1	1.7	1.8	1.8	2.4	2.0	2.1	2.0	1.5	1.1	1.3	1.5
For sale only.....	.7	.6	.7	.8	.8	.5	.7	.8	.7	.8	.8	.9
Rented or sold ¹.....	.7	.8	.9	.7	.7	.8	.9	.8	.5	.6	.7	.6
Held off market.....	3.1	3.2	3.5	3.5	2.4	2.7	2.9	2.9	4.6	4.2	4.6	4.6
Occasional use.....	.8	.8	.9	.9	.5	.6	.6	.6	1.6	1.4	1.6	1.5

¹ Awaiting occupancy.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111.

Vacancy Rates—Houses Sold and Price

769

No. 1390. VACANCY RATES FOR HOUSING UNITS—CHARACTERISTICS: 1975 TO 1980

[In percent. Annual averages. Based on Current Population Survey and Quarterly Household Survey. Rate is relationship between vacant housing for rent or for sale and the total rental and homeowner supply, which comprises occupied units, units rented or sold and awaiting occupancy, and vacant units available for rent or sale. For composition of regions, see fig. 1, inside front cover. See headnote, table 1372 concerning SMSA's. See also *Historical Statistics, Colonial Times to 1970*, series N 249-258]

RENTAL UNITS	1975	1978	1979	1980	HOMEOWNER UNITS	1975	1978	1979	1980
Total rental units	6.0	5.0	5.4	5.4	Total homeowner units	1.2	1.0	1.2	1.4
Inside SMSA's	6.1	5.2	5.4	5.2	Inside SMSA's	1.3	1.0	1.1	1.3
Outside SMSA's	5.7	4.5	5.4	6.1	Outside SMSA's	1.1	1.2	1.2	1.4
Northeast	4.1	4.8	4.5	4.2	Northeast	1.0	.8	1.0	1.1
North Central	5.7	4.8	5.7	6.0	North Central	1.0	1.0	1.2	1.6
South	7.7	5.5	6.1	6.0	South	1.5	1.3	1.1	1.3
West	6.2	4.8	5.3	5.2	West	1.5	1.0	1.3	1.6
Units in structure: 1 unit	3.6	3.1	3.2	3.4	Units in structure: 1 unit	1.0	.9	1.0	1.2
2 or more	7.3	6.1	6.6	6.4	2 or more	5.4	3.2	3.7	4.3
5 or more	8.3	6.7	7.6	7.1	5 or more	14.4	9.2	6.6	8.7
Units with: 3 rooms or less	8.4	6.9	7.3	6.9	Units with: 3 rooms or less	3.5	3.0	3.0	3.5
4 rooms	5.8	4.8	5.2	5.2	4 rooms	2.1	1.3	1.4	1.7
5 rooms	4.6	3.8	4.1	4.3	5 rooms	1.1	1.1	1.1	1.2
6 rooms or more	3.3	3.2	3.4	3.8	6 rooms or more	1.0	.9	1.1	1.3
Monthly rent: Less than \$60	5.5	4.0	3.1	2.5	Value: Less than \$10,000	1.4	1.5	1.1	1.5
\$60-\$79	5.7	5.0	—	—	\$10,000-\$19,999	1.0	.9	1.5	.9
\$80-\$99	4.6	5.0	4.1	3.4	\$20,000-\$24,999	.9	.7	.7	.9
\$100 or more	6.7	5.2	6.0	6.0	\$25,000 or more	1.4	.9	1.1	1.3
Year built: 1960 or later	8.3	6.0	5.8	5.8	Year built: 1960 or later	2.2	1.2	1.4	1.8
1965 or later	9.0	6.2	6.1	6.2	1965 or later	2.7	1.4	1.7	2.1
1940-1959	4.8	3.5	4.8	4.7	1940-1959	.5	.6	.6	.8
1939 or earlier	5.4	5.5	5.5	5.5	1939 or earlier	1.1	1.3	1.4	1.5
Plumbing: With all facilities	5.9	4.8	5.2	5.2	Plumbing: With all facilities	1.3	1.0	1.1	1.3
Lacking facilities	11.2	12.0	12.3	10.6	Lacking facilities	2.0	2.9	3.7	4.2

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111.

No. 1391. EXISTING ONE-FAMILY HOUSES SOLD AND PRICE, BY REGION: 1970 TO 1980

[Based on data (adjusted and aggregated to regional and national totals) reported by participating real estate multiple listing services. For definition of median, see *Guide to Tabular Presentation*. For composition of regions, see fig. 1, inside front cover.]

REGION	Unit	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Houses sold, U.S.	1,000	1,612	2,018	2,252	2,334	2,272	2,452	3,002	3,547	3,863	3,701	2,881
Northeast	1,000	251	311	361	367	354	377	458	480	494	504	384
North Central	1,000	501	583	630	674	645	685	843	1,110	1,132	1,050	797
South	1,000	568	735	788	847	839	899	1,110	1,254	1,495	1,427	1,154
West	1,000	292	389	473	446	434	491	591	703	741	720	547
Median sales price, U.S.	\$1,000	23.0	24.8	26.7	28.9	32.0	35.3	38.1	42.9	48.7	55.7	62.2
Northeast	\$1,000	25.2	27.1	29.8	32.8	35.8	39.3	41.8	44.4	47.9	53.6	60.8
North Central	\$1,000	20.1	22.1	23.9	25.3	27.7	30.1	32.9	36.7	42.2	47.8	51.9
South	\$1,000	22.2	24.3	26.4	29.0	32.3	34.8	36.5	39.8	45.1	51.3	58.3
West	\$1,000	24.3	26.5	28.4	31.0	34.8	39.6	46.1	57.3	66.7	77.4	89.3

Source: National Association of REALTORS®, Washington, D.C., *Existing Home Sales*, monthly. (Copyright.)

No. 1392. PRICE INDEX—NEW ONE-FAMILY HOUSES SOLD, BY REGION: 1965 TO 1981

[1977=100. Based on fixed proportions of ten characteristics of new houses sold in 1977. For composition of regions, see fig. 1, inside front cover.]

YEAR	U.S.	North-east	North Central	South	West	YEAR AND QUARTER	U.S.	North-east	North Central	South	West
1965	44.4	43.5	45.5	48.1	41.0	1974	73.8	82.9	74.8	77.4	67.8
1966	46.2	46.4	46.1	50.4	42.3	1975	81.7	89.8	82.5	85.1	76.2
1967	47.5	48.1	50.0	51.2	42.7	1976	88.7	93.6	89.9	91.1	84.6
1968	50.0	52.9	53.3	53.4	43.7	1977	100.0	100.0	100.0	100.0	100.0
1969	53.8	57.5	58.2	56.9	47.7	1978	114.5	111.1	114.3	112.2	118.5
1970	55.3	61.5	58.2	58.7	48.8	1979	130.8	126.1	127.9	128.5	136.5
1971	58.3	65.6	60.4	63.3	50.3	1980	145.2	138.5	135.4	144.3	154.2
1972	62.1	70.4	64.2	67.2	53.5	1981, 1st qtr	152.7	(NA)	(NA)	(NA)	(NA)
1973	67.5	76.1	69.2	71.7	60.1	1981, 2d qtr	157.3	(NA)	(NA)	(NA)	(NA)

NA Not available.

Source: U.S. Bureau of the Census, *Construction Reports*, series C27, quarterly.

Construction and Housing

NO. 1393. NEW PRIVATE ONE-FAMILY HOUSES SOLD, BY REGION, TYPE OF FINANCING, AND SALES PRICE: 1970 TO 1980

[In thousands. Based on a national probability sample of monthly interviews with builders or owners of 1-family houses for which building permits have been issued or, for nonpermit areas, on which construction has started. For details, see source. For composition of regions, see fig. I, inside front cover.]

YEAR AND SALES PRICE GROUP	NUMBER SOLD					PERCENT SOLD					FINANCING TYPE	
	Total	North-east	North-Central	South	West	Total	North-east	North-Central	South	West	Conventional ¹	FHA and VA
1970.....	485	61	100	203	121	100	100	100	100	100	202	232
Under \$35,000.....	394	38	77	178	100	81	62	77	88	83	127	224
Under \$20,000.....	169	10	20	99	38	35	16	20	49	31	31	122
\$20,000-\$29,999.....	178	20	47	62	49	37	33	47	31	40	65	92
\$30,000-\$34,999.....	47	8	9	17	13	10	13	9	8	11	31	10
\$35,000 and over.....	92	23	22	26	21	19	38	22	13	17	75	7
\$35,000-\$39,999.....	35	7	8	10	9	7	11	8	5	7	(NA)	(NA)
\$40,000-\$49,999.....	37	10	9	10	7	8	16	9	5	6	(NA)	(NA)
\$50,000 and over.....	20	5	5	5	5	4	8	5	2	4	(NA)	(NA)
1975.....	549	71	106	222	150	100	100	100	100	100	363	122
Under \$35,000.....	190	18	35	93	45	35	25	33	42	30	72	67
Under \$30,000.....	110	9	17	60	24	20	13	16	27	15	29	37
\$30,000-\$34,999.....	80	9	18	33	21	15	13	17	15	14	42	30
\$35,000 and over.....	359	52	72	128	106	65	73	68	58	71	291	54
\$35,000-\$39,999.....	98	10	20	40	28	18	14	19	18	19	67	28
\$40,000-\$49,999.....	127	18	25	47	37	23	25	24	21	25	101	22
\$50,000-\$59,999.....	65	12	13	20	20	12	17	12	9	13	59	3
\$60,000 and over.....	69	12	14	21	21	13	17	13	9	14	64	(S)
1978.....	817	78	145	331	262	100	100	100	100	100	575	173
Under \$35,000.....	65	5	8	42	11	8	6	5	13	4	21	20
\$35,000 and over.....	751	73	138	289	251	92	94	95	87	96	554	153
\$35,000-\$39,999.....	76	8	10	38	21	9	10	7	11	8	37	31
\$40,000-\$49,999.....	175	14	28	84	48	21	18	20	25	18	107	56
\$50,000-\$59,999.....	156	14	29	66	47	19	18	20	20	18	110	39
\$60,000-\$74,999.....	157	18	34	54	52	19	23	23	16	20	128	22
\$75,000-\$99,999.....	119	13	25	33	48	15	17	17	10	18	109	5
\$100,000 and over.....	69	6	11	15	37	8	8	8	4	14	64	(S)
1979.....	709	67	112	304	225	100	100	100	100	100	469	186
Under \$35,000.....	33	(S)	3	27	2	5	(S)	3	9	1	9	9
\$35,000 and over.....	675	65	109	277	222	95	98	97	91	99	460	177
\$35,000-\$39,999.....	41	4	5	23	9	6	6	4	7	4	15	20
\$40,000-\$49,999.....	110	11	18	55	28	16	16	16	18	13	55	48
\$50,000-\$59,999.....	135	12	22	64	37	19	17	19	21	17	76	50
\$60,000-\$74,999.....	158	16	28	64	50	22	24	25	21	22	109	43
\$75,000-\$99,999.....	132	16	20	45	50	19	23	18	15	22	112	14
\$100,000 and over.....	100	8	17	26	48	14	13	15	9	22	92	2
1980.....	530	47	78	261	143	100	100	100	100	100	294	192
Under \$35,000.....	15	(S)	2	12	(S)	3	(S)	3	5	(S)	5	3
\$35,000 and over.....	515	47	76	249	143	97	100	97	95	100	288	189
\$35,000-\$39,999.....	33	2	4	24	2	6	3	5	9	2	7	21
\$40,000-\$49,999.....	85	8	15	45	18	16	16	19	17	13	29	49
\$50,000-\$59,999.....	95	7	14	51	22	18	14	18	19	16	40	47
\$60,000-\$74,999.....	117	11	16	56	34	22	24	20	21	24	60	49
\$75,000-\$99,999.....	96	11	15	41	29	18	24	19	16	20	71	19
\$100,000 and over.....	91	9	12	32	37	17	18	16	12	26	81	4

NA Not available. S Estimate does not meet publication standards. ¹ Includes types of financing not shown separately.

ly. ² 1970 includes houses financed by Farmers Home Administration. ³ VA only.

Source: U.S. Bureau of the Census, *Construction Reports*, series C25, *Characteristics of New Housing*, annual, and *New One-Family Houses Sold and For Sale*, monthly.

NO. 1394. MEDIAN SALES PRICE OF NEW PRIVATE ONE-FAMILY HOUSES SOLD, BY REGION: 1965 TO 1980

[In dollars. See headnote, table 1393. For definition of median, see Guide to Tabular Presentation]

YEAR	U.S.	North-east	North-Central	South	West	YEAR	U.S.	North-east	North-Central	South	West
1965.....	20,000	21,500	21,600	17,500	21,600	1973.....	32,500	37,100	32,900	30,900	32,400
1967.....	22,700	25,400	20,100	19,400	24,100	1974.....	35,900	40,100	36,100	34,500	35,800
1968.....	24,700	27,700	27,400	21,500	25,100	1975.....	39,300	44,000	39,600	37,300	40,600
1969.....	25,600	31,600	27,600	22,800	25,300	1976.....	44,200	47,300	44,800	40,500	47,200
1970.....	23,400	30,300	24,400	20,300	24,000	1977.....	48,800	51,600	51,500	44,100	53,500
1971.....	25,200	30,600	27,200	22,500	25,500	1978.....	55,700	58,100	59,200	50,300	61,300
1972.....	27,600	31,400	29,300	25,800	27,500	1979.....	62,900	65,500	63,900	57,300	69,600
						1980 ¹	64,500	69,300	63,300	59,700	72,300

¹ 1981, U.S. total: 1st qtr., \$66,900, 2d qtr., \$69,400.

Source: U.S. Bureau of the Census, *Construction Reports*, series C25, *Characteristics of New Housing*, annual, and *New One-Family Houses Sold and For Sale*, monthly.

Recent Home Owners—Mortgages

771

NO. 1395. RECENT HOME BUYERS—GENERAL CHARACTERISTICS AND DOWNPAYMENTS: 1976 TO 1980

[As of October. Based on a sample survey; subject to sampling variability]

ITEM	Unit	1976	1977	1978	1979	1980
Median price of house purchased.....	Dollars.....	43,340	49,320	54,750	58,100	69,714
First-time buyers.....	Dollars.....	37,670	43,160	46,700	50,800	61,450
Repeat buyers ¹	Dollars.....	50,090	58,730	59,180	64,600	75,750
Average monthly mortgage payment.....	Dollars.....	329	361	384	449	599
Percent of income.....	Percent	24.0	25.0	26.0	26.2	32.4
Percent buying—						
New houses	Percent	15.1	12.8	14.4	17.8	22.4
Existing houses.....	Percent	84.9	87.2	85.6	82.2	77.6
Single-family houses.....	Percent	88.8	90.2	86.6	87.5	82.4
Multiple-family houses	Percent	4.8	6.2	7.6	5.3	5.5
Condominiums	Percent	6.4	3.6	5.6	6.8	12.1
For the first time.....	Percent	44.8	48.1	36.7	36.6	32.9
Average age of first-time buyers.....	Years.....	28.1	28.2	28.3	28.4	28.3
Average age of repeat buyers ¹	Years.....	35.9	37.9	35.5	34.7	36.4
Source of downpayment for—						
First-time buyer.....						
Entirely from savings and investments.....	Percent	70.9	75.6	73.5	43.8	51.1
Help from relatives.....	Percent	20.4	14.3	8.7	32.6	32.6
Repeat buyers ¹						
Entirely from savings and investments.....	Percent	21.2	25.8	19.2	14.8	27.7
Entirely from previous home sale	Percent	45.5	43.9	56.6	55.8	39.7
Downpayment to sales price	Percent	25.2	28.1	21.4	24.9	28.0
First-time buyers.....	Percent	18.0	19.2	12.4	17.6	20.5
Repeat buyers ¹	Percent	30.8	35.0	27.6	29.0	32.7

¹ Buyers who previously owned a home.

Source: Chicago Title Insurance Company, *The Guarantor*, bimonthly. (Copyright.)

NO. 1396. MORTGAGE STATUS OF NONFARM DWELLING UNITS: 1940 TO 1979

[In millions, except percent. Prior to 1960, excludes Alaska and Hawaii. For 1940 and 1950, mortgage data are for owner-occupied dwelling units in 1- to 4-dwelling unit structures without business; for 1960, for properties with 1- to 4-dwelling units, and for 1971-1979, for properties with 1 housing unit. See also *Historical Statistics, Colonial Times to 1970*, series N 302-307.]

ITEM	1940	1950	1960	1971	1974	1975	1976	1977	1978	1979
Owner occupied units	11.4	19.8	27.9	33.2	36.2	37.2	37.9	38.8	40.1	41.3
Reporting mortgage status	10.6	17.8	27.9	33.2	36.2	37.2	37.9	38.8	40.1	41.3
Mortgaged.....	4.8	7.8	15.8	20.1	23.0	23.4	24.1	24.9	25.6	26.4
Percent	45.3	44.0	56.8	60.6	63.5	63.0	63.5	64.2	63.9	64.0
Not mortgaged	5.8	10.0	12.0	13.1	13.2	13.8	13.8	13.9	14.5	14.9

Source: U.S. Bureau of the Census, *Census of Housing: 1950*, vol. I; 1960 and 1970, vol. V; and *Current Housing Reports*, series H-150, Annual Housing Survey, part C, *Financial Characteristics of the Housing Inventory for the United States and Regions*.

NO. 1397. VOLUME OF LONG-TERM MORTGAGE LOANS ORIGINATED, BY TYPE OF PROPERTY, 1970 TO 1980, AND BY LENDER, 1980

[In billions of dollars. Covers credit extended in primary mortgage markets for financing real estate acquisitions]

TYPE OF PROPERTY	1970	1975	1976	1977	1978	1979	1980, BY LENDER					
							Total ¹	Sav- ings and loan	Com- mer- cial banks	Mort- gage cos.	Fed'l credit agencies	Mut- ual sav- ings
Loans, total	59.8	120.7	161.6	229.2	257.2	258.6	193.8	68.5	42.4	35.4	18.8	7.0
1-4 unit family home.....	35.6	77.9	112.8	162.0	185.0	187.4	131.4	61.1	26.8	29.1	4.4	5.4
New units.....	12.6	24.6	32.2	46.4	58.0	60.8	46.6	23.0	7.5	13.5	2.0	1.1
Existing units.....	23.0	53.3	80.6	115.6	127.0	126.6	82.8	38.1	19.3	15.6	2.4	4.3
Multifamily residential.....	8.8	10.7	12.3	15.8	16.4	15.8	12.5	3.1	1.3	1.7	2.9	.5
New units.....	7.0	5.8	4.6	5.6	6.8	8.4	6.4	1.5	.5	1.3	2.7	.2
Existing units.....	1.8	4.9	7.8	10.2	9.6	7.5	4.1	1.6	.8	.4	.2	.3
Non-residential.....	12.5	24.2	27.1	39.1	42.7	40.6	35.1	4.2	12.5	4.6	.7	1.0
Farm properties	3.0	7.9	9.5	12.3	13.1	14.8	14.8	.1	1.9	—	10.7	—

¹ Represents zero. ² Includes life insurance companies and other lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *Survey of Mortgage Lending Activity, 1970-1979*, and *Survey of Mortgage Lending Activity*, monthly and quarterly.

Construction and Housing

NO. 1398. CHARACTERISTICS OF CONVENTIONAL FIRST MORTGAGE LOANS FOR PURCHASE OF SINGLE-FAMILY HOMES: 1975 TO 1981

[Annual averages, except as indicated. Refers to loans originated directly (rather than through correspondents) by savings and loan associations, mortgage companies, commercial banks, and mutual savings banks]

LOAN CHARACTERISTIC	Unit	NEW HOMES						EXISTING HOMES					
		1975	1977	1978	1979	1980	1981, June	1975	1977	1978	1979	1980	1981, June
Contract interest rate	Percent	8.75	8.80	9.30	11.3	12.9	14.1	9.01	8.83	9.37	11.6	13.2	14.4
Initial fees, charges ¹	Percent	1.54	1.33	1.39	1.85	2.15	2.50	1.19	1.17	1.26	1.64	2.12	2.22
Term to maturity	Years	26.8	27.9	28.0	28.8	28.2	27.5	24.0	25.8	26.4	26.9	26.5	25.3
Loan to price ratio	Percent	76.1	76.3	75.3	72.9	72.9	72.6	73.4	75.1	75.1	73.6	73.7	73.1
Purchase price	\$1,000.....	44.6	54.3	62.6	79.4	90.1	94.1	38.2	47.5	54.2	64.7	65.3	70.8

¹ Rate applies to any general or specific charges paid by borrower or seller, in order to obtain a loan, except those for mortgage, credit, life, or property insurance; for property transfer; and for title search and insurance.

Source: U.S. Federal Home Loan Bank Board, monthly news releases.

NO. 1399. HOME LOANS GUARANTEED AND INSURED BY VA: 1975 TO 1980

[Based on complete count of primary loans closed for conventionally built homes. See also table 633]

LOAN CHARACTERISTICS	NEW HOMES						EXISTING HOMES					
	1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980
Average loan (\$1,000)	32.9	35.7	39.6	44.0	51.5	57.0	28.6	30.6	34.6	38.3	44.8	48.4
PERCENT OF HOME LOANS												
Loan amount:												
Less than \$20,000.....	2.3	1.7	.9	.6	.3	.3	21.2	16.7	10.7	7.6	4.2	3.3
\$20,000-\$24,999.....	9.9	5.8	2.8	1.3	.6	.4	19.3	16.8	12.5	9.7	6.3	4.9
\$25,000-\$29,999.....	23.8	17.6	11.0	5.6	1.9	.9	20.5	20.2	16.8	15.1	10.8	8.5
\$30,000-\$34,999.....	31.2	24.6	19.5	13.0	6.0	2.5	15.7	16.2	16.6	15.3	12.4	10.3
\$35,000-\$39,999.....	19.5	25.4	23.1	19.6	11.7	5.7	10.2	12.3	15.0	14.3	13.1	11.4
\$40,000-\$49,999.....							34.4	30.8	23.5		18.3	20.2
\$50,000-\$59,999.....							16.2	24.6	26.5		9.8	13.3
\$60,000-\$69,999.....							6.6	13.7	18.7		6.4	9.3
\$70,000 and over							2.7	10.4	21.5		3.5	10.4
Mortgage maturity:												
Less than 25 years.....	.3	.3	.3	.3	.3	.3	2.9	2.7	2.1	1.7	1.4	1.2
25 years.....	.5	.6	.5	.3	.2	.2	6.1	5.8	4.5	4.0	2.9	2.4
26-29 years.....	4.9	2.9	1.8	3.9	2.6	1.3	1.2	.5	.5	1.4	.9	.3
30 years.....	94.3	96.2	97.4	95.5	96.9	98.2	69.8	91.0	92.9	92.9	94.8	96.1
Downpayment status:												
With downpayment.....	42.9	27.6	44.5	46.3	47.4	45.2	26.5	24.3	26.4	26.2	28.0	29.7
With no downpayment.....	57.1	72.4	55.5	53.7	52.6	54.8	73.5	75.7	73.6	73.8	72.0	70.3

Source: U.S. Veterans Administration, unpublished data.

NO. 1400. ONE-FAMILY HOMES, FHA-INSURED MORTGAGES: 1975 TO 1980

[Data for sec. 203(b) of National Housing Act only. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	Unit	NEW HOMES						EXISTING HOMES					
		1975	1976	1977	1978	1979	1980	1975	1976	1977	1978	1979	1980
Avg. mo. occupant expenses:													
Real estate taxes.....	Dol.....	49	54	56	56	57	58	40	40	41	44	43	49
Maintenance and repair.....	Dol.....	22	24	24	23	29	30	20	21	22	24	28	31
Heating and utilities.....	Dol.....	42	46	54	61	68	74	43	48	53	60	68	79
Avg. purchase transactions:													
Total acquisition cost ¹	\$1,000.....	33.0	35.3	37.2	41.5	50.3	56.0	26.9	27.4	29.2	34.0	39.4	45.0
Closing costs	Dol.....	672	705	701	772	886	981	606	614	660	761	848	960
Market price of site ²	\$1,000.....	6.4	7.0	7.3	7.7	9.8	11.8	5.5	5.6	5.8	6.9	8.1	10.1
Median value and cost:													
Amount of mortgage.....	\$1,000.....	29.7	32.2	34.0	37.3	45.0	50.1	24.6	25.4	27.1	30.9	35.4	39.6
Estimated value.....	\$1,000.....	32.5	35.2	37.2	41.1	50.4	55.0	26.2	26.8	28.9	33.0	38.4	44.0
Loan/value ratio.....	Percent.....	92.8	92.9	92.0	93.0	93.5	92.6	94.9	95.1	94.8	95.5	95.1	93.9
Income of occupant ³	\$1,000.....	17.1	18.2	18.8	20.4	24.3	27.1	15.5	15.9	16.6	18.3	21.2	24.7
Mo. mortgage payment.....	Dol.....	284	318	329	369	469	568	245	255	260	300	368	466
Term of mortgage.....	Years.....	30.0	30.0	29.9	29.9	29.9	29.9	29.3	29.4	29.4	29.5	29.5	29.5

¹ Sales price plus closing costs. ² Includes street improvements or utilities, rough grading, terracing and retaining walls, if any, for site. ³ Annual.

Source: U.S. Dept. of Housing and Urban Development, *HUD Statistical Yearbook*.

Residential Loans—Nonresidential Buildings

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NO. 1401. RESIDENTIAL LOANS UNDERWRITTEN BY FHA: 1960 TO 1980

[In millions of dollars. Figures are gross amount of insurance written; do not take account of principal repayments on previously insured loans. See also *Historical Statistics, Colonial Times to 1970*, series N 291-297.]

LOAN	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
FHA-insured loans	6,293	8,689	11,982	5,903	7,941	9,746	13,000	16,098	22,848	22,091
Home mortgages: New properties	2,197	1,705	2,667	752	1,148	1,087	1,684	1,881	3,409	4,071
Existing properties	2,403	5,760	5,447	3,182	5,017	5,275	7,177	9,259	14,758	12,387
Project type mortgages	711	591	3,251	1,213	976	2,315	2,818	3,270	2,719	3,987
Property improvement loans ¹	982	634	617	750	799	1,071	1,341	1,688	1,962	1,846

¹ Not ordinarily secured by mortgages. Beginning 1970, includes mobile home loans.

Source: U.S. Dept. of Housing and Urban Development, *HUD Statistical Yearbook*.

NO. 1402. NONRESIDENTIAL BUILDINGS—TYPE, BY REGION AND HEATING (HDD) AND COOLING (CDD) DEGREE DAYS WEATHER ZONE: 1979-1980

[In thousands. Building type based on predominant activity in which the occupants were engaged. Based on a sample survey of building representatives conducted October 1979 to January 1980; subject to sampling variability. Excludes Alaska and Hawaii. For composition of weather zones, see fig. 7.2, p. 219.]

TYPE	Total	North- east	North Central	South	West	LESS THAN 2,000 CDD AND				More than 2,000 CDD, less than 4,000 HDD
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	2,000 to 3,999 HDD	
Nonresidential buildings	4,238	735	1,326	1,566	612	470	1,242	1,132	704	689
Assembly	448	57	146	199	46	38	143	154	60	53
Automotive sales and service	401	77	145	122	57	55	130	115	53	48
Education	161	23	35	75	28	17	36	43	28	38
Food sales	366	56	118	139	53	47	99	83	69	68
Health care	44	7	18	15	5	1	20	12	5	5
Industrial	243	36	80	86	41	25	75	57	47	38
Lodging	101	13	12	54	23	8	21	18	28	26
Office	600	104	192	199	105	59	199	136	94	113
Residential	347	131	109	78	29	68	117	119	18	25
Retail/services	714	114	227	277	96	78	180	184	136	136
Warehouse and storage	430	59	137	157	77	44	107	112	30	77
Other	237	34	68	94	40	19	69	68	43	38
Vacant	146	23	39	70	13	11	45	32	33	26

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Building Characteristics, 1981*.

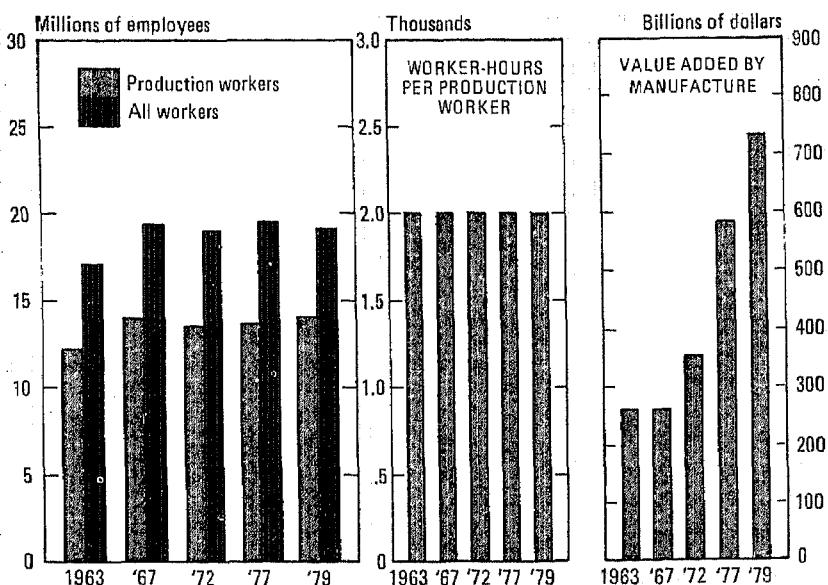
NO. 1403. NONRESIDENTIAL BUILDINGS—TYPE, BY SQUARE FOOTAGE AND YEAR CONSTRUCTED: 1979-1980

[In thousands. See headnote, table 1402]

TYPE	Total	SQUARE FOOTAGE					YEAR CONSTRUCTED				
		1,000 or less	1,001 to 5,000	5,001 to 10,000	10,001 to 25,000	25,001 and over	Prior to 1946	1946 to 1960	1961 to 1970	1971 to 1973	1974 to present
Nonresidential buildings	4,238	677	1,729	801	596	436	1,590	1,064	789	235	561
Assembly	448	44	156	131	79	38	198	101	80	17	51
Automotive sales and service	401	92	197	78	28	7	112	127	97	23	42
Education	161	10	33	21	31	67	37	53	47	6	18
Food sales	366	70	207	51	31	8	122	95	69	17	63
Health care	44	4	15	9	6	10	9	11	11	3	11
Industrial	243	22	56	55	45	63	77	55	44	30	35
Lodging	101	10	33	22	16	20	21	33	28	12	6
Office	600	89	259	115	86	52	216	118	121	41	104
Residential	347	41	177	45	64	19	237	63	30	7	10
Retail/services	714	123	292	152	95	52	260	219	105	28	103
Warehouse and storage	430	79	169	59	64	60	159	99	77	25	70
Other	237	58	76	38	39	26	82	50	48	18	39
Vacant	146	37	59	24	12	13	61	40	31	6	8

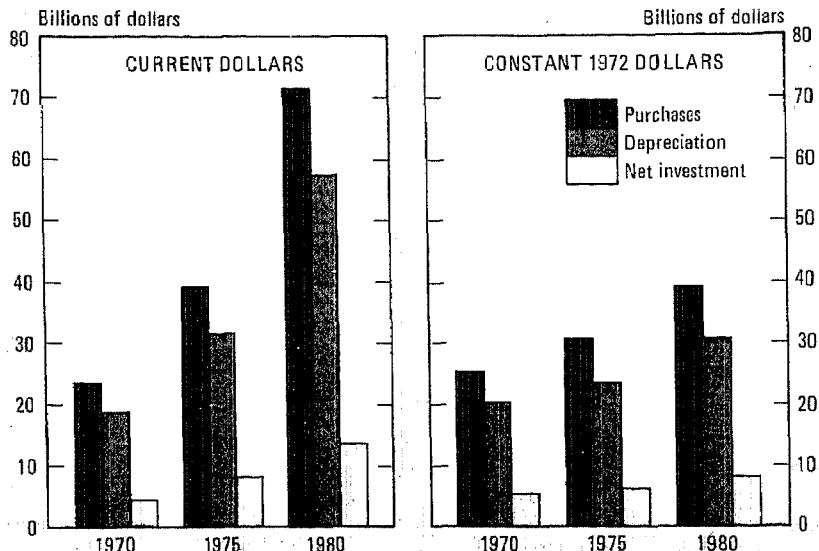
Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Building Characteristics, 1981*.

Figure 29.1
Manufactures—Summary: 1963 to 1979



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1405.

Figure 29.2
Capital in Manufacturing Establishments: 1970 to 1980



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1415.



Section 29

Manufactures

This section presents summary data for manufacturing as a whole and more detailed information for major industry groups and selected specific products. The types of measures shown at the different levels include data for establishments; employment and wages; raw materials, fuels, and electricity consumed; plant and equipment expenditures; value and quantity of production and shipments; value added by manufacture; inventories; and various indicators of financial status.

The principal sources of these data are Bureau of the Census reports of the censuses of manufactures conducted every five years; the *Annual Survey of Manufactures*; and the *Current Industrial Reports* series, which presents monthly, quarterly, or annual data on production, shipments, and stocks for particular commodities. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin*. Reports on current activities of industries, or current movements of individual commodities, are also compiled by such government agencies as the Bureau of Labor Statistics; the Economics and Statistics Service of the Department of Agriculture, and the International Trade Administration; and by private research or trade associations such as The Conference Board, Inc., New York, and the American Iron and Steel Institute, Washington, D.C.

Data on financial aspects of manufacturing industries are collected by the Bureau of Economic Analysis (BEA) and the Federal Trade Commission (FTC). Industry aggregates in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are published for leading manufacturing corporations registered with the SEC. The BEA issues data on capital in manufacturing industries and capacity utilization rates in manufacturing. The FTC has made several comprehensive studies of individual industries. See also Section 18, Business Enterprise in this edition.

Censuses and annual surveys.—The first census of manufactures covered the year 1809. Between 1809 and 1963, a census was conducted at periodic intervals. Since 1967 it has been taken every 5 years (for years ending in "2" and "7"). Census data, either direct reports or estimates from administrative records, are obtained for every manufacturing plant with one employee or more.

The Annual Survey of Manufactures, conducted for the first time in 1949, collects data for the years between censuses for the more general measures of manufacturing activity covered in detail by the censuses. The annual survey data are estimates derived from a scientifically selected sample of companies. The most recent, 1978, annual survey is based on a sample of about 70,000 of an approximate total of 350,000 establishments. It comprises all large plants, which account for approximately two-thirds of total U.S. manufacturing employment, and a representative selection of the more numerous small plants. Government-owned and -operated establishments are excluded.

The basic statistical measures of manufacturing activity, such as employment, payrolls, value added, etc., are defined in essentially the same way for both the annual surveys and the census of manufactures. However, the bases for computing average employment vary for different years. For example, beginning with 1949, average employment was calculated from the figures reported for the pay periods ending nearest the 15th of March, May, August, and November, whereas for 1947 such averages were based on 12 monthly employment figures. In 1967, the average employment calculation was revised to the pay periods which include the 12th of March, May, August, and November to provide data more comparable with other statistical series.

Establishments and classification.—The censuses of manufactures for 1947 through 1977 cover operating manufacturing establishments as defined in the *Standard Industrial Classification Manual (SIC)*, issued by the U.S. Office of Management and Budget (see text, p. 376). The *Manual* is also used for classifying establishments in the annual surveys. The comparability of manufactures data over time is affected by changes in the official definitions of industries as presented in the

Manual. It is important to note therefore that the 1972 edition of the *Manual* was used for the 1972 and 1977 censuses while the 1967 *Manual* was used for the 1967 census. For the censuses from 1947 to 1963, reports were required from all establishments employing one or more persons at any time during the census year. For the 1967 and 1972 censuses, reports were required only from establishments with 10 or more employees and establishments operated by multi-establishment companies. Data for single unit companies with less than 10 employees were estimated on the basis of government administrative records and industry averages. In the 1977 Census, data were based on administrative records for all establishments with fewer than 5 employees; and, depending on the industry, for those with fewer than 20. Each of the establishments tabulated was classified in one of the more than 450 manufacturing industries as defined by the *SIC Manual* in 1972 and 1977, as compared to 400 industries in the 1967 census. The *Manual* defines an industry as a number of establishments producing a single product or a closely related group of products. In the main, an establishment is classified in a particular industry if its production of a product or product group exceeds in value added its production of any other product group. While some establishments produce only the products of the industry in which they are classified, few within an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect both the primary and secondary activities of the establishments in that industry. For this reason care should be exercised in relating such statistics to the total shipments figures of products primary to the industry.

The censuses for 1947 through 1977 were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It is not necessarily identical with the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

No. 1404. NATIONAL INCOME ORIGINATING IN MANUFACTURING: 1947 TO 1980

[In billions of dollars, except percent. Prior to 1963, excludes Alaska and Hawaii. For definition of national income, see text, p. 417. Refers to national income without capital consumption adjustment. Data represent net value added at factor costs. See *Historical Statistics, Colonial Times to 1970*, series F 230, for single-year figures prior to revisions issued in 1981]

ITEM	1947	1954	1958	1963	1967	1972	1974	1975	1976	1977	1978	1979	1980
Total manufacturing.....	60	95	108	144	194	252	301	318	367	411	464	515	527
Percent of national income.....	30	31	29	29	29	26	26	25	26	26	26	26	24
Durable goods.....	32	55	62	86	119	154	181	186	217	249	286	315	312
Percent of total.....	53	58	58	60	61	61	60	58	59	60	62	61	59
Nondurable goods.....	28	40	46	57	75	98	121	132	150	163	178	199	216

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and *1976-79*, and *Survey of Current Business*, July 1981.

Manufactures—Corporation Finances

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NO. 1405. MANUFACTURES—SUMMARY: 1947 TO 1978

[Prior to 1958, excludes Alaska and Hawaii. Census data, except as noted. For establishment coverage, see text, p. 776. See also *Historical Statistics, Colonial Times to 1970*, series P 1-12.]

ITEM	Unit	1947	1954	1958	1963	1967	1972	1976 ¹	1977	1978
Number of establishments ²		1,000	3,241	3,287	303	312	311	321	(NA)	360
With 20 or more employees		1,000	(NA)	3,90	95	102	107	114	(NA)	119
All employees, ⁴ annual average ⁵	Mil.	14.3	16.1	16.0	17.0	19.3	19.0	18.8	19.6	20.5
Payroll, all employees	Bil. dol.	40	66	78	100	132	174	233	264	299
Payroll per employee	\$1,000	3,28	4.1	4.9	5.9	6.8	9.2	12.4	13.5	14.6
Production workers, annual average	Mil.	11.9	12.4	11.7	12.2	14.0	13.5	13.1	13.7	14.2
Percent of all employees	Percent	83.2	77.0	73.1	71.8	72.5	71.1	69.7	69.9	69.3
Hours, production workers	Bil.	24.3	24.3	22.7	24.5	27.8	26.7	25.4	26.7	27.7
Hours per worker	1,000	2.0	2.0	1.9	2.0	2.0	2.0	1.9	2.0	2.0
Wages, production workers	Bil. dol.	30	45	50	62	81	106	138	157	176
Percent of payroll for all employees	Percent	75.0	68.2	64.1	62.0	61.4	60.9	59.2	59.5	58.9
Wages per worker	\$1,000	2.5	3.6	4.3	5.1	5.8	7.8	10.5	11.5	12.3
Wages per worker hour	Dol.	124	1,83	2.19	2.53	2.92	3.95	5.43	5.89	6.35
Value added by manufacture ⁶	Bil. dol.	74	117	142	192	262	354	511	585	657
Per production worker	\$1,000	6.2	9.5	12.1	15.7	18.8	26.2	39.0	42.7	46.3
Per production worker hour	Dol.	3.04	4.81	6.25	7.83	9.42	13.25	20.12	21.91	23.72
Per dollar of workers' wages	Dol.	2.47	2.60	2.84	2.90	3.23	3.34	3.70	3.73	3.73
Cost of materials	Bil. dol.	(NA)	(NA)	(NA)	230	299	407	681	782	878
Value of shipments ⁷	Bil. dol.	(NA)	(NA)	(NA)	421	557	757	1,186	1,359	1,523
Per production worker	\$1,000	(NA)	(NA)	(NA)	34.4	39.9	55.9	90.5	99.9	107.2
End-of-year inventories	Bil. dol.	26	40	49	60	84	108	170	188	209
Capital expenditures, new ⁸	Bil. dol.	6.0	8.2	9.5	11.4	21.5	24.1	40.7	47.5	55.2
Indexes:										
Employment	1967=100	74	83	83	88	100	98	97	101	106
Value added	1967=100	29	45	54	73	100	135	195	222	251
Shipments	1967=100	(NA)	(NA)	(NA)	76	100	136	213	242	273
Ratios:										
Value added to shipments	Ratio	(NA)	(NA)	(NA)	45.6	47.0	46.7	43.1	42.9	43.1
Inventories to shipments	Ratio	(NA)	(NA)	(NA)	14.2	15.0	14.2	14.3	13.8	13.7
Payroll to value added	Ratio	54.0	56.4	54.9	52.0	50.3	49.1	45.6	45.2	45.5
Gross book value of depreciable assets	Bil. dol.	(NA)	(NA)	(NA)	158	218	301	395	439	479
Machinery and equipment	Bil. dol.	(NA)	(NA)	(NA)	157	218	292	328	360	
Assets per employee	\$1,000	(NA)	(NA)	(NA)	9.3	11.3	16.4	21.0	22.4	23.4

NA Not available. ¹ Estimated data based on *Annual Survey of Manufactures*; see text, p. 775. ² Includes administrative and auxiliary units, except as noted. ³ Excludes administrative offices and auxiliary units. ⁴ Includes data for employees of manufacturing establishments engaged in distribution and construction work. ⁵ Data for most industries in 1954 and for all industries since 1954 are based on pay periods ending nearest 15th of March, May, August, and November. For 1947, and industries of a seasonal type in 1954, data represent average of 12 monthly figures. ⁶ Unadjusted for 1947; thereafter, adjusted. Unadjusted value added is obtained by subtracting cost of materials, supplies, containers, fuel, purchased electric energy, and contract work from value of shipments for products manufactured plus receipts for services rendered. Adjusted value added also takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. ⁷ Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification. ⁸ Beginning 1954, includes plants under construction and not yet in operation.

Source: U.S. Bureau of the Census, *Census of Manufactures*, 1947, 1954, 1958, 1963, 1967, 1972, and 1977 final reports; and *Annual Survey of Manufactures*.

NO. 1406. FINANCES OF MANUFACTURING CORPORATIONS: 1960 TO 1980

[In billions of dollars. See tables 942 and 943 for individual industry data]

ITEM	1960	1965	1967	1970	1972	1974	1975	1976	1977	1978	1979	1980
Net sales	346	492	575	709	850	1,061	1,065	1,203	1,328	1,496	1,742	1,897
Net operating profit	26	46	48	50	66	84	77	97	107	122	135	129
Net profit:												
Before taxes	28	47	48	48	63	97	80	105	115	133	154	145
After taxes	15	28	29	29	36	59	49	65	70	81	99	92
Cash dividends	8	12	13	15	16	19	20	23	27	29	32	36
Retained earnings	7	16	16	14	20	39	29	42	44	52	66	58

Source: U.S. Federal Trade Commission, *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*, fourth quarter reports.

Manufactures

No. 1407. INDUSTRIAL PRODUCTION INDEXES, BY INDUSTRY: 1960 TO 1981

[1967 = 100. Based on 1967 *Standard Industrial Classification Manual* (see text, p. 776). See also *Historical Statistics, Colonial Times to 1970*, series P 13 and P 18-39]

MAJOR INDUSTRY GROUP	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981, Jan.- June
Industrial production.....	66	90	108	110	120	130	129	118	131	136	146	153	147	152
Manufacturing.....	65	90	106	108	119	130	129	116	130	138	147	154	147	152
Durable goods.....	63	89	102	102	114	127	126	109	122	130	140	146	137	142
Primary metals.....	72	102	107	100	112	127	123	96	110	111	120	121	102	112
Fabricated metal products.....	71	91	102	104	112	125	124	110	124	131	142	149	135	138
Electrical machinery.....	52	82	108	108	122	143	144	117	135	145	159	175	173	178
Nonelectrical machinery.....	57	85	104	100	116	134	140	125	135	144	154	164	163	170
Transportation equipment.....	65	95	90	98	108	118	109	97	111	122	133	135	117	120
Instruments.....	58	83	112	110	120	138	144	132	147	156	167	175	171	171
Clay, glass, stone products.....	79	98	106	111	121	134	133	118	136	146	157	164	147	154
Lumber and products.....	75	96	106	114	121	126	116	108	123	131	136	137	119	126
Furniture and fixtures.....	72	95	108	116	131	144	138	118	137	145	156	162	150	156
Miscellaneous.....	71	94	111	112	127	138	138	128	145	149	151	154	148	156
Nondurable goods.....	69	91	112	117	127	134	135	126	142	151	157	164	161	166
Textile mill products.....	69	93	112	117	133	143	133	122	135	134	138	145	137	138
Apparel products.....	82	97	101	105	109	117	114	108	126	134	134	134	129	122
Leather and products.....	90	98	90	87	88	83	78	77	77	74	74	72	70	69
Paper and products.....	68	82	115	120	129	137	135	116	133	138	145	151	151	156
Printing and publishing.....	71	88	107	107	113	118	118	113	123	128	132	137	140	143
Chemicals and products.....	56	88	120	126	144	155	159	147	171	186	197	212	207	220
Petroleum products.....	77	92	113	117	122	129	125	124	134	143	145	144	135	131
Rubber and plastics products.....	52	86	132	148	172	184	195	167	200	232	254	272	256	274
Foods.....	79	92	109	113	117	121	124	123	133	139	143	148	149	152
Tobacco products.....	91	100	102	101	106	112	110	112	117	113	118	118	120	123
Mining.....	80	93	112	110	113	115	115	113	114	118	124	126	133	140
Utilities.....	63	69	125	131	139	145	144	146	152	157	161	166	170	169
Energy¹.....	70	89	117	120	125	128	126	126	129	133	135	138	139	136

¹ Production of energy is represented by output of primary energy, such as crude oil, natural gas, and coal mining, and by the conversion of primary energy to other energy forms for final consumption.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1408. CAPACITY UTILIZATION RATES IN MANUFACTURING: 1965 TO 1980

[In percent. Annual figures are averages of quarterly data, except yearend 1965. Capacity represents maximum practical amount of output that can be produced with current stock of plant and equipment]

INDUSTRY	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
All manufacturers.....	86	81	80	83	86	83	77	81	83	84	82	78
Firms with assets of—												
\$100 million and over.....	89	83	83	86	88	85	78	84	85	86	85	79
\$10 million-\$99 million.....	85	79	78	81	83	81	75	78	80	81	81	78
Under \$10 million.....	80	73	73	77	79	77	72	76	78	78	76	72
Durable goods ¹	88	78	78	82	85	82	76	81	84	84	83	77
Electrical machinery.....	83	76	76	81	82	83	73	80	82	83	82	80
Machinery, except electrical.....	95	86	81	84	87	88	83	86	89	91	91	90
Transportation equipment ¹	89	75	81	85	87	78	76	82	86	85	80	72
Motor vehicles.....	96	81	92	97	100	83	83	93	99	95	84	67
Aircraft ¹	79	68	65	69	69	71	65	65	68	70	76	79
Primary metals.....	(NA)	82	75	86	88	88	73	78	80	84	84	74
Stone, clay, and glass.....	84	76	80	83	83	79	70	77	79	80	80	73
Nondurable goods ¹	85	83	83	85	86	84	79	82	82	82	82	79
Food, including beverages.....	75	82	81	81	81	80	77	77	78	79	79	76
Textiles.....	63	82	84	89	90	81	78	85	86	85	83	80
Paper.....	95	88	88	90	94	91	79	87	86	88	91	88
Chemicals.....	85	82	81	84	88	85	74	80	78	80	83	78
Petroleum.....	95	95	94	94	97	89	89	93	92	90	88	81
Rubber.....	93	82	86	89	89	85	74	80	85	83	77	70

NA Not available. ¹ Includes items not shown separately.

Source: U.S. Bureau of Economic Analysis. Quarterly data in *Survey of Current Business*, monthly.

Capacity—Operation—Shipments

779

NO. 1409. INDEX OF MANUFACTURING CAPACITY AND RELATION OF OUTPUT TO CAPACITY: 1950 TO 1981

[1967 output=100. Annual figures are averages of quarterly data. Capacity represents estimated quantity of output, relative to output in 1967, which the *current* stock of plant and equipment in manufacturing industries was capable of producing. Primary processing industries comprise textiles, lumber, paper and pulp, petroleum, rubber, stone, clay, glass, primary metals, fabricated metals, and a portion of chemicals. Advanced processing industries comprise chemical products, food, beverages, tobacco, apparel, furniture, printing and publishing, leather, machinery, transportation equipment, instruments, ordnance, and miscellaneous industry groups]

YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent)			YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent)		
		All manu- facturing	Primary process- ing	Ad- vanced process- ing			All manu- facturing	Primary process- ing	Ad- vanced process- ing
1950.....	54	83	89	80	1974.....	154	84	88	82
1955.....	67	87	92	84	1975.....	160	73	74	73
1960.....	82	80	80	81	1976.....	164	80	82	78
1965.....	100	90	91	89	1977.....	169	82	84	81
1967.....	115	87	86	88	1978.....	174	84	87	83
1968.....	122	87	88	87	1979.....	179	86	88	84
1969.....	129	86	89	85	1980.....	186	79	78	79
1970.....	134	79	83	77	1981: 1st qtr.....	189	80	81	79
1971.....	138	78	82	76	2nd qtr.....	191	80	80	80
1972.....	142	84	86	81	3d qtr.....	192	79	79	79
1973.....	148	88	93	85					

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, November 1976, and *Capacity Utilization in Manufacturing and Materials*, G.3, monthly. (Based on data from Federal Reserve Board, U.S. Dept. of Commerce, U.S. Bureau of Labor Statistics, and McGraw-Hill Information Systems Company, New York, N.Y.)

NO. 1410. MANUFACTURES—SUMMARY, BY TYPE OF OPERATION: 1947 TO 1977

[A multiunit company operates establishments at more than one location. See text, p. 776]

ITEM	Unit	1947	1954	1958	1963	1967	1972	1977	
Multinunit companies: Establishments.....		1,000.....	35.2	31.8	41.9	45.9	51.7	70.2	81.2
Employees	Million.....	8.0	9.5	10.1	11.0	13.3	14.3	15.0	
Production workers.....	Million.....	6.7	7.4	7.2	8.1	9.8	9.8	10.1	
Payroll, all employees	Bil. dol.	22.8	40.6	51.8	68.2	93.8	138.8	214.2	
Wages, production workers.....	Bil. dol.	17.8	29.0	33.5	44.7	60.9	81.9	124.9	
Value added by manufacture.....	Bil. dol.	43.9	79.6	105.3	146.6	206.4	286.1	485.0	
Capital expenditures, new	Bil. dol.	(NA) 6.5	7.5	8.9	18.6	20.0	41.0		
Single unit companies: Establishments.....		1,000.....	205.6	255.0	256.3	260.8	¹ 250.5	¹ 278.7	
Employees	Million.....	6.3	6.2	5.3	5.2	¹ 5.2	¹ 4.8	¹ 4.6	
Payroll, all employees	Bil. dol.	16.9	22.3	21.9	25.1	¹ 28.5	¹ 35.4	¹ 49.8	
Value added by manufacture.....	Bil. dol.	30.3	37.4	37.9	45.5	¹ 55.5	¹ 67.9	¹ 100.1	

NA Not available. ¹ Includes data obtained from Federal administrative records.

Source: U.S. Bureau of the Census, 1977 *Census of Manufactures*, Type of Organization, subject series, MC77-SR-7.

NO. 1411. MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS: 1960 TO 1980

[In billions of dollars, except ratios. See also *Historical Statistics, Colonial Times to 1970*, series P 74-92]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
Shipments.....	370.5	491.9	633.7	875.2	1,017.5	1,039.1	1,185.6	1,358.4	1,523.4	1,727.3	1,845.9
Durable goods.....	190.6	266.7	338.3	476.2	530.7	523.9	608.3	711.2	814.2	909.6	936.0
Nondurable goods.....	179.9	225.3	295.4	390.9	486.8	515.3	577.4	647.2	709.3	817.7	909.9
Inventories (Dec. 31).....	53.6	68.0	101.2	124.3	157.6	159.8	174.9	188.4	209.1	240.4	256.6
Durable goods.....	32.0	42.0	66.3	80.7	100.9	102.1	111.5	120.4	136.3	159.6	169.6
Nondurable goods.....	21.5	26.0	35.0	43.6	56.7	57.7	63.3	68.1	72.9	80.8	87.0
Ratio of Inventories to sales ¹	1.79	1.58	1.91	1.63	1.86	1.77	1.86	1.58	1.55	1.62	1.57
Durable goods.....	2.13	1.78	2.35	2.01	2.32	2.28	2.04	1.93	1.87	2.12	2.04
Nondurable goods.....	1.44	1.34	1.40	1.20	1.37	1.26	1.24	1.20	1.17	1.10	1.08
New orders.....	363.0	505.7	624.5	915.4	1,047.1	1,021.0	1,193.5	1,380.3	1,579.3	1,770.9	1,860.7
Durable goods.....	183.8	279.8	328.7	515.4	562.1	503.4	615.8	732.9	868.3	952.2	951.2
Nondurable goods.....	179.2	225.9	295.8	400.0	485.0	517.6	577.7	647.4	711.0	818.7	909.5
Unfilled orders (Dec. 31).....	44.9	80.4	105.7	160.2	189.9	172.5	181.4	203.3	259.3	302.9	317.7
Durable goods.....	42.4	76.6	101.1	153.0	184.5	164.9	173.4	195.1	249.3	291.9	307.0
Nondurable goods.....	2.5	3.8	4.6	7.2	5.3	7.6	8.0	8.2	10.0	11.0	10.7

¹ Ratio based on December seasonally adjusted data.

Source: U.S. Bureau of the Census, *Manufacturers' Shipments, Inventories and Orders, 1972-1980*, M31.10; and unpublished data.

Manufactures

NO. 1412. OPERATING MANUFACTURING ESTABLISHMENTS—SELECTED DATA, BY LEGAL FORM OF ORGANIZATION: 1954 TO 1977

[1954 excludes Alaska and Hawaii. For establishment coverage, see text, p. 776. See also *Historical Statistics, Colonial Times to 1970*, series P 205-211]

FORM OF ORGANIZATION AND YEAR	Establishments ¹ (1,000)	ALL EMPLOYEES		PRODUCTION WORKERS		Value added by manufacture ² (mil. dol.)	Capital expenditures, new (mil. dol.)
		Total ² (1,000)	Payroll (mil. dol.)	Total ² (1,000)	Wages (mil. dol.)		
Corporate:							
1954	148.5	14,273	59,051	11,206	41,480	109,669	7,752
1963	176.2	15,245	89,356	11,426	59,064	184,100	10,791
1967 ⁴	153.9	17,697	119,530	13,260	78,429	253,261	20,988
1972	233.2	18,545	171,143	13,118	103,254	347,086	23,520
1977	284.2	19,114	259,306	13,302	153,891	574,044	46,474
Noncorporate, total: ⁵							
1954	138.4	1,372	3,912	1,166	3,111	7,363	449
1963	130.4	990	3,932	806	3,030	8,002	580
1967 ⁴	93.2	530	2,709	433	2,008	5,636	370
1972	87.5	482	3,043	408	2,237	6,908	453
1977	75.7	476	4,707	389	3,273	11,052	1,210
Individual proprietorship:							
1954	88.2	593	1,527	507	1,237	2,735	176
1963	99.2	536	2,033	440	1,595	3,916	315
1967 ⁴	24.9	243	1,187	210	933	2,361	141
1972	42.5	213	1,303	183	963	2,885	186
1977	52.3	202	1,840	174	1,322	3,961	300
Partnership:							
1954	47.8	703	2,108	602	1,684	4,054	216
1963	27.7	334	1,034	277	1,062	2,726	141
1967 ⁴	6.7	193	971	157	730	1,695	114
1972	17.7	167	1,067	139	792	2,413	150
1977	18.3	123	1,213	100	829	2,681	206

¹ Beginning 1963, includes administrative offices and auxiliary units.

² For method of calculation, see text, p. 775.
³ For definition, see footnote 6, table 1405. ⁴ Excludes establishments with fewer than 10 employees. ⁵ Includes forms of organization not shown separately.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1954, 1967, 1972, and 1977*, vol. I, and special report, *Type of Organization, MC 77(SR)-3*.

NO. 1413. MANUFACTURES—SUMMARY, BY EMPLOYEE SIZE-CLASS: 1954 TO 1977

ITEM AND YEAR	All establishments	ESTABLISHMENTS WITH TOTAL EMPLOYEES—					PERCENT DISTRIBUTION				
		Under 20	20-99	100-249	250-999	1,000 and over	Under 20	20-99	100-249	250-999	1,000 and over
Establishments (1,000): ¹											
1954	287	195	64	16	9	2	68.4	22.3	5.5	3.1	.7
1963	307	207	70	18	10	22	67.6	22.9	5.7	3.2	.5
1967	306	199	74	20	11	22	65.0	24.2	6.5	3.6	.7
1972	313	203	76	21	12	2	64.9	24.3	6.7	3.8	.6
1977	351	237	78	22	12	2	67.5	22.3	6.1	3.4	.6
Employees (1,000): ¹											
1954	15,646	1,198	2,835	2,430	4,082	5,103	7.7	18.1	15.5	26.0	32.6
1963	16,235	1,175	3,072	2,727	4,312	4,951	7.3	18.9	16.8	26.5	30.5
1967	18,492	1,042	3,276	3,089	5,042	6,062	5.6	17.7	16.6	27.3	32.8
1972	18,032	1,114	3,356	3,232	5,155	5,175	6.2	18.6	17.9	28.6	28.7
1977	18,515	1,206	3,490	3,335	5,393	5,091	6.5	18.8	18.0	29.1	27.5
Payroll (mil. dol.): ¹											
1954	62,963	3,765	10,246	9,171	16,264	23,516	6.0	16.3	14.6	25.9	37.3
1963 ²	93,289	5,502	15,191	13,926	23,740	34,772	6.0	16.3	15.0	25.5	37.3
1967	123,481	6,080	19,205	18,172	31,688	48,335	4.9	15.6	14.7	25.7	39.1
1972	160,414	8,645	25,787	25,348	43,348	57,286	5.4	16.1	15.8	27.0	35.7
1977	242,032	13,712	38,690	37,772	66,248	85,609	5.7	16.0	15.6	27.4	35.4
Value added by manufacture (mil. dol.): ³											
1954	116,848	7,207	18,013	17,143	31,286	43,199	6.1	15.4	14.7	26.8	37.0
1963 ²	192,102	11,310	30,073	28,826	51,054	71,056	5.9	15.6	15.0	26.5	36.9
1967	261,984	13,271	39,138	38,922	71,036	99,617	5.1	14.9	14.9	27.1	36.0
1972	353,973	19,127	54,870	56,467	99,923	123,586	5.4	15.5	16.0	28.2	34.9
1977	585,166	30,081	89,829	92,232	172,607	200,417	5.1	15.4	15.8	29.5	34.2
Value of shipments (mil. dol.): ⁴											
1963 ²	420,528	24,684	69,329	66,438	110,736	149,654	5.9	16.5	15.8	26.3	35.6
1967	557,398	27,461	87,481	87,367	150,770	204,319	4.9	15.7	15.7	27.0	36.7
1972	756,534	38,584	120,972	127,206	212,151	257,622	5.1	16.0	16.8	28.0	34.1
1977 ²	1,358,526	29,922	211,422	220,485	404,763	456,596	2.2	15.6	16.2	29.8	33.6

¹ Excludes administrative offices and auxiliary units. ² Individual size-class data do not add to total because they were derived from separate tabulations. ³ For definition, see footnote 6, table 1405. ⁴ See footnote 7, table 1405.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1967, Size of Establishments*, MC67(1)-2, and *Census of Manufactures, 1954, 1963, 1967, 1972, and 1977, General Summary*, MC77(1)-1.

Employment and Value Added—Capital

781

NO. 1414. MANUFACTURING EMPLOYMENT AND VALUE ADDED—PERCENT DISTRIBUTION, BY GEOGRAPHIC DIVISIONS: 1950 TO 1978

[For composition of divisions, see fig. 1, inside front cover. For definition of "value added," see table 1405]

GEOGRAPHIC DIVISION	1950	1954	1958	1963	1965	1967	1970	1972	1975	1976	1977	1978
EMPLOYMENT												
New England.....	9.8	9.0	8.7	8.4	8.2	8.1	7.6	7.2	7.1	7.1	7.1	7.1
Middle Atlantic.....	25.9	26.6	25.7	24.0	23.4	22.6	21.8	20.7	19.5	18.5	18.7	18.0
East North Central.....	30.0	28.6	26.6	26.4	27.2	26.7	26.0	25.9	25.5	25.4	25.3	25.1
West North Central.....	5.6	6.0	6.0	6.0	6.0	6.2	6.2	6.3	6.8	6.6	6.6	6.7
South Atlantic.....	11.1	11.0	11.8	12.6	12.7	12.9	13.6	14.4	14.3	14.4	14.3	14.4
East South Central.....	4.4	4.5	4.8	5.2	5.6	5.7	6.1	6.6	6.7	6.8	6.7	6.7
West South Central.....	4.0	4.5	5.0	5.1	5.3	5.6	6.1	6.5	7.0	7.4	7.3	7.5
Mountain.....	1.1	1.1	1.4	1.7	1.6	1.6	1.8	2.0	2.2	2.4	2.4	2.5
Pacific.....	7.0	8.8	10.0	10.6	10.0	10.6	10.3	10.4	10.9	11.5	11.5	11.9
VALUE ADDED												
New England.....	8.3	7.8	7.4	7.1	7.1	7.2	6.8	6.4	6.2	6.1	6.1	6.2
Middle Atlantic.....	26.2	26.0	24.6	22.7	22.5	21.9	21.4	19.9	18.5	17.6	17.6	17.2
East North Central.....	33.2	31.2	28.9	29.3	30.2	28.6	27.5	28.2	26.9	27.4	27.4	27.2
West North Central.....	5.7	6.1	6.3	6.1	6.2	6.4	6.9	6.7	7.0	7.0	7.0	7.1
South Atlantic.....	9.4	9.1	10.1	11.0	11.1	11.2	11.8	12.5	12.1	12.4	12.4	12.5
East South Central.....	3.8	4.0	4.5	4.8	5.1	5.2	5.7	6.0	6.1	6.2	6.1	6.2
West South Central.....	4.3	4.9	5.5	5.7	5.8	6.3	6.7	7.0	8.9	8.9	8.9	8.7
Mountain.....	1.2	1.2	1.6	1.8	1.6	1.7	1.9	2.1	2.4	2.3	2.3	2.4
Pacific.....	7.9	9.7	11.1	11.5	10.7	11.3	11.1	11.3	11.9	12.2	12.2	12.4

Source: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1967, 1972, 1977; General Summary, MC77(1)-1*; and *Annual Survey of Manufactures*.

NO. 1415. CAPITAL IN MANUFACTURING ESTABLISHMENTS: 1960 TO 1980

[In billions of dollars. Minus sign (—) denotes decline. Data refer to privately owned manufacturing establishments and are based on the capital expenditures data from the census of manufactures, the Annual Survey of Manufactures, and the inventory investment component of GNP. For details, see source. See *Historical Statistics, Colonial Times to 1970*, series P 107-122, for single-year figures prior to revisions issued in 1981]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
In current dollars:											
Purchases	10.8	18.3	23.8	29.0	38.3	39.8	43.4	51.2	57.7	67.3	71.4
Equipment	7.8	13.8	17.5	22.4	29.3	31.6	34.7	41.8	47.1	55.1	57.7
Structures	3.0	4.5	6.4	6.6	9.0	8.2	8.7	9.4	10.5	12.3	13.7
Depreciation (straight-line) ¹	10.0	12.0	18.9	23.0	26.5	31.6	34.5	38.5	43.5	49.8	57.7
Equipment	7.3	8.8	14.0	16.7	19.0	23.3	26.1	28.5	33.4	38.3	44.7
Structures	2.7	3.1	4.9	6.3	7.5	8.3	8.4	8.9	10.0	11.5	13.0
Net investment ² .....	.9	6.4	4.9	6.0	11.8	8.2	8.9	12.7	14.2	17.5	13.7
Equipment .....	.5	5.0	3.5	5.7	10.3	8.3	8.6	12.3	13.7	16.8	13.0
Structures .....	.3	1.4	1.4	.3	1.5	—.1	.3	4	.5	.8	.7
Net value ³	152.2	187.9	299.6	377.2	482.3	509.1	551.4	612.9	692.5	809.5	924.4
Equipment and structures	95.6	116.4	191.2	236.1	292.7	319.3	343.9	387.3	437.8	498.3	580.2
Equipment	54.7	68.2	112.3	136.0	170.4	198.2	219.0	248.8	281.8	321.8	381.4
Structures	40.9	48.1	78.9	100.0	122.3	121.2	124.8	138.5	156.1	176.5	198.7
Inventories (end of year)	56.6	71.5	108.4	141.1	189.6	189.0	207.5	225.6	254.7	311.2	344.2
In 1972 dollars:											
Purchases	15.6	24.5	25.9	27.9	33.4	30.4	31.6	35.3	37.1	40.3	39.2
Equipment	10.3	17.3	18.5	21.8	26.3	24.5	25.3	28.9	30.7	33.7	32.6
Structures	5.3	7.2	7.8	6.1	7.1	5.9	6.2	6.3	6.4	6.6	6.6
Depreciation	14.1	15.9	20.4	22.1	23.0	24.0	25.0	26.2	27.6	29.2	30.8
Equipment	9.6	11.1	14.8	16.3	17.1	18.0	19.0	20.1	21.5	23.0	24.6
Structures	4.4	4.8	5.6	5.8	5.9	6.0	6.0	6.1	6.1	6.2	6.2
Net investment	1.5	8.6	5.5	5.8	10.4	6.4	6.6	9.1	9.5	11.1	8.4
Equipment .....	.6	6.2	3.7	5.5	9.2	6.5	6.4	8.8	9.2	10.7	8.0
Structures .....	.9	2.4	1.7	.3	1.2	—.1	.2	.3	.3	.4	.3
Real net value ³	210.3	245.1	315.1	337.1	356.8	359.8	370.6	383.1	398.2	416.6	424.5
Equipment and structures ⁴	140.4	158.1	202.2	215.3	225.9	232.7	239.7	249.2	259.1	270.7	279.5
Equipment	71.9	84.8	115.8	128.0	137.4	144.3	151.1	160.3	169.9	181.1	189.6
Structures	68.6	73.2	86.3	87.3	88.5	88.4	88.6	88.9	89.2	89.6	89.9
Inventories (end of year)	69.9	87.0	112.9	121.8	130.9	127.1	130.9	133.9	139.1	145.9	145.0

¹ Estimates derived by using perpetual inventory method and assuming, in general, service lives of 85 percent of those shown in Internal Revenue Service's Bulletin F. ² Represents the difference between purchases and depreciation. ³ End of year.

⁴ Represents real net value of equipment and structures at preceding year-end plus net investment based on straight-line depreciation for year shown.

Source: U.S. Bureau of Economic Analysis, unpublished data.

Manufactures

NO. 1416. MANUFACTURES SUMMARY,

[Sum of State totals may not add to U.S. total]

	STATE	1967					1972				
		Establishments ¹		All employees ²		Value added by manufacturer ⁴	Establishments ¹		All employees ²		Value added by manufacturer ⁴
		Total	With 20 or more employees	Number ³ (1,000)	Payroll (mil. dol.)	(mil. dol.)	Total	With 20 or more employees	Number ³	Payroll (mil. dol.)	(mil. dol.)
1	U.S.	311,140	110,256	19,323	132,209	261,984	320,701	114,195	19,027	174,187	353,973
2	N.E.	24,286	9,164	1,562	10,190	18,972	23,731	8,718	1,362	11,905	22,501
3	Maine	2,385	615	111	577	1,070	2,075	590	100	696	1,376
4	N.H.	1,481	566	95	513	932	1,434	566	90	663	1,279
5	Vt.	925	281	43	259	515	860	274	37	311	576
6	Mass.	10,983	4,471	714	4,646	8,715	10,770	4,153	619	5,486	10,678
7	R.I.	2,703	922	122	700	1,351	2,756	904	118	888	1,764
8	Conn.	5,829	2,309	478	3,494	6,390	5,836	2,231	399	3,860	6,828
9	M.A.	76,422	29,002	4,360	30,527	57,262	71,808	26,983	3,933	37,120	70,330
10	N.Y.	42,911	14,730	1,929	13,852	25,247	38,341	12,995	1,679	16,219	30,402
11	N.J.	14,740	5,903	881	6,326	12,738	15,069	5,918	836	8,107	16,409
12	Pa.	18,771	8,369	1,550	10,350	19,277	18,398	8,070	1,418	12,794	23,519
13	E.N.C.	63,062	24,563	5,151	38,495	75,016	64,873	24,761	4,933	50,958	99,949
14	Ohio	15,428	6,285	1,397	10,523	20,435	16,390	6,487	1,346	13,810	27,171
15	Ind.	6,920	2,917	710	5,023	10,308	7,354	3,049	704	6,882	14,112
16	Ill.	18,536	7,477	1,397	10,014	20,017	18,617	7,345	1,306	12,800	25,847
17	Mich.	14,340	5,157	1,134	9,357	17,242	14,467	5,019	1,076	12,745	23,376
18	Wis.	7,838	2,727	512	3,578	7,014	7,845	2,861	501	4,722	9,443
19	W.N.C.	20,623	6,893	1,206	8,165	16,773	21,467	7,393	1,202	10,923	23,585
20	Minn.	5,409	1,778	300	2,107	4,080	5,698	1,930	302	2,889	5,524
21	Iowa	3,388	1,092	210	1,435	3,251	3,387	1,170	216	2,039	4,758
22	Mo.	6,545	2,457	452	3,049	5,895	6,732	2,470	434	3,897	8,189
23	N. Dak.	454	92	8	42	113	482	117	10	79	201
24	S. Dak.	604	137	16	93	171	606	151	17	135	285
25	Nebr.	1,672	525	77	476	1,150	1,723	598	85	704	1,733
26	Kans.	2,551	812	144	965	2,112	2,839	957	137	1,181	2,915
27	S.A.	37,961	13,138	2,502	14,014	29,313	41,534	14,981	2,739	20,638	44,349
28	Del.	528	253	71	588	958	567	243	69	755	1,292
29	Md.	3,401	1,463	288	1,956	3,781	3,579	1,437	256	2,386	4,707
30	D.C.	593	155	23	179	393	564	135	19	220	389
31	Va.	4,938	1,620	340	1,905	4,068	4,837	1,768	375	2,826	6,178
32	W. Va.	1,844	563	124	892	2,170	1,734	607	121	1,098	2,647
33	N.C.	8,266	3,379	643	3,066	6,607	8,632	3,794	744	4,929	11,015
34	S.C.	3,465	1,251	304	1,502	3,030	3,719	1,441	345	2,345	4,966
35	Ga.	6,976	2,268	423	2,231	4,684	7,627	2,663	467	3,330	7,370
36	Fla.	7,950	2,186	285	1,755	3,683	10,275	2,893	343	2,750	5,787
37	E.S.C.	15,748	5,528	1,092	5,909	13,718	16,525	6,246	1,249	9,211	21,234
38	Ky.	2,994	1,135	225	1,352	3,636	3,167	1,259	259	2,160	5,682
39	Tenn.	5,040	2,022	418	2,190	4,921	5,647	2,291	467	3,352	7,662
40	Ala.	4,951	1,446	289	1,803	3,526	4,984	1,630	323	2,397	5,065
41	Miss.	2,761	925	160	764	1,835	2,727	1,066	200	1,302	2,825
42	W.S.C.	21,883	6,727	1,083	6,855	16,617	24,018	7,873	1,239	10,281	24,596
43	Ark.	2,911	927	144	666	1,558	2,897	1,053	181	1,152	2,800
44	La.	3,639	1,016	165	1,084	2,790	3,657	1,133	179	1,601	4,273
45	Okla.	2,611	745	118	764	1,346	3,042	897	143	1,188	2,270
46	Tex.	12,722	4,039	658	4,340	10,922	14,422	4,790	736	6,340	15,253
47	Mt.	8,679	2,243	315	2,123	4,522	10,119	2,831	388	3,469	7,446
48	Mont.	923	191	20	130	312	943	206	21	185	463
49	Idaho	1,131	303	37	220	503	1,190	350	43	340	821
50	Wyo.	331	65	6	37	86	377	78	7	57	144
51	Colo.	2,461	664	104	731	1,509	2,841	834	133	1,298	2,504
52	N. Mex.	749	169	17	99	205	926	227	24	157	358
53	Ariz.	1,630	424	77	543	995	2,037	597	94	855	1,880
54	Utah	1,124	353	47	315	778	1,858	430	57	486	1,069
55	Nev.	330	74	7	50	134	447	109	10	92	208
56	Pac.	42,433	12,972	2,050	15,911	29,675	46,826	14,400	1,982	19,682	39,968
57	Wash.	5,014	1,375	271	2,119	3,764	5,345	1,463	226	2,308	4,721
58	Oreg.	4,437	1,275	183	1,083	2,061	4,670	1,461	179	1,627	3,490
59	Calif.	31,962	10,012	1,584	12,515	23,394	35,699	11,149	1,545	15,478	31,175
60	Alaska	323	85	8	56	130	342	91	8	77	171
61	Hawaii	697	215	25	140	326	770	236	25	191	410

X Not applicable. ¹ Includes central administrative offices and auxiliary units. ² Includes employment and payroll at administrative offices and auxiliary units. ³ "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 12th of March. "Production workers" represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November.

Manufactures, by State

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BY STATES: 1967 TO 1977

because U.S. and State figures were independently derived]

1977							Leading major industry groups ranked by value added by manufacture, 1977
Establishments ¹		All employees ²		Production workers ³		Value added by manufacture ⁴ (mil. dol.)	
Total	With 20 or more employees	Number ³ (1,000)	Payroll (mil. dol.)	Number ³ (1,000)	Wages (mil. dol.)		
359,928	118,699	19,590	264,013	13,691	157,164	585,166	Mach. exc. electrical; trans. equip.; chemicals.
25,737	8,881	1,390	17,802	943	9,623	35,587	(x)
2,157	595	103	1,078	84	781	2,343	Paper; leather; lumber.
1,825	623	95	1,029	72	645	2,175	Elec. equip.; machinery exc. elec.; paper.
1,030	298	42	498	29	270	1,050	Elec. equip.; mach. exc. elec.; fabricated metal.
11,133	4,054	613	7,819	408	4,198	16,349	Machinery exc. elec.; elec. equip.; instruments.
3,107	945	125	1,327	95	825	2,737	Misc. mfg.; fabricated metal; primary metal.
6,485	2,366	412	5,652	255	2,902	10,934	Fabricated metal; mach. exc. elec.; trans. equip.
71,009	24,904	3,617	49,843	2,382	26,929	103,160	(x)
36,578	11,425	1,510	20,876	958	10,419	44,290	Print. and publish.; instruments; mach. exc. elec.
15,696	5,775	778	10,924	490	5,562	22,853	Chemicals; food; electrical equip.
18,735	7,704	1,329	18,043	934	10,949	36,017	Primary metal; machinery exc. electrical; food.
69,237	25,941	4,974	76,908	3,475	48,128	160,223	(x)
17,354	6,728	1,331	20,356	924	12,908	43,055	Trans. equip.; machinery exc. elec.; primary metal.
8,061	3,229	706	10,439	522	7,047	22,718	Electrical equip.; trans. equip.; primary metal.
19,517	7,441	1,286	18,741	658	10,757	40,279	Machinery exc. elec.; food; elec. equip.
15,627	5,380	1,116	20,054	789	12,21	37,568	Trans. equip.; machinery exc. elec.; fab. metal.
8,678	3,163	535	7,318	381	4,697	16,606	Machinery exc. elec.; food; paper.
24,321	7,804	1,297	17,389	891	10,331	40,621	(x)
6,637	2,126	332	4,693	211	2,413	9,605	Machinery exc. elec.; food; elec. equip.
3,783	1,245	240	3,383	171	2,191	8,684	Machinery exc. elec.; food; chemicals.
7,354	2,429	433	5,704	299	3,405	13,042	Transportation equip.; food; chemicals.
571	145	14	162	9	97	473	Food; machinery exc. elec.; print. and publishing.
740	195	23	251	17	169	612	Food; machinery exc. electrical; lumber.
1,965	626	88	1,075	63	681	2,867	Food; machinery exc. elec.; elec. equip.
3,270	1,037	168	2,115	122	1,371	5,338	Trans. equip.; machinery exc. elec.; food.
47,692	15,560	2,823	31,502	2,131	19,996	72,304	(x)
619	231	67	1,141	32	410	1,596	Chemicals; food; petroleum.
3,937	1,951	244	3,420	163	1,976	7,116	Food; electronic equipment; primary metal.
555	130	19	298	8	102	610	Printing and publishing; food; fabricated metal.
5,519	1,879	395	4,442	302	2,917	10,882	Chemicals; food; tobacco.
1,857	583	117	1,621	89	1,124	3,880	Chem.; primary metal; stone, clay, glass prod.
9,954	4,005	765	7,519	611	5,086	18,231	Textiles; tobacco; chemicals.
4,229	1,560	374	3,805	300	2,640	8,186	Textiles; chemicals; machinery exc. elec.
8,623	2,906	485	5,125	376	3,404	12,549	Textiles; transportation equipment; food.
12,399	2,915	358	4,133	250	2,936	9,255	Food; electrical equip.; chemicals.
19,187	6,797	1,328	14,506	1,036	9,959	36,234	(x)
3,548	1,318	278	3,452	209	2,303	9,546	Machinery exc. elec.; chemicals, elec. equip.
6,487	2,477	490	5,219	376	3,481	12,663	Chemicals; food; machinery exc. elec.
5,863	1,855	341	3,773	273	2,698	8,406	Primary metals; paper; chemicals.
3,269	1,147	219	2,062	178	1,477	5,619	Transportation equip.; lumber; elec. equip.
28,796	9,048	1,442	18,319	1,017	10,990	52,112	(x)
3,595	1,101	197	1,932	161	1,401	4,882	Food; electronic equipment; paper.
4,276	1,236	195	2,683	145	1,799	9,418	Chemicals; petroleum; food.
3,818	1,067	164	2,051	110	1,164	4,662	Machinery exc. elec.; fabricated metal; petroleum.
18,107	5,644	886	11,653	601	6,626	33,150	Chemicals, petroleum; machinery exc. electrical
13,808	3,220	461	5,991	312	3,489	13,622	(x)
1,168	203	24	317	19	236	802	Lumber; food; petroleum.
1,495	379	52	625	40	432	1,430	Lumber; food; chemicals.
505	102	9	111	6	74	382	Petroleum; chemicals; stone, glass, clay.
3,948	961	153	2,125	98	1,143	4,472	Food; instruments; machinery exc. elec.
1,323	258	29	297	21	184	734	Food; electronic equipment; stone, clay, glass.
2,892	677	111	1,463	70	781	3,333	Machinery exc. elec.; elec. equip., trans. equip.
1,748	494	70	867	49	522	1,974	Machinery exc. electrical; food; trans. equip.
729	147	15	192	10	113	495	Food; stone, clay, glass; electrical equip.
59,106	16,534	2,255	31,929	1,505	17,720	71,245	(x)
6,723	1,712	265	4,054	181	2,985	8,955	Transportation equipment; lumber; food.
5,716	1,580	202	2,760	155	1,902	6,138	Lumber; food; paper.
45,289	12,883	1,752	24,672	1,143	13,151	54,862	Transportation equip.; elec. equip.; food.
428	128	11	166	9	123	504	Food; lumber; printing and publishing.
949	231	25	277	17	161	786	Food; petroleum; printing and publishing.

* For definition, see footnote 6, table 1405.

NO. 1417. LARGE MANUFACTURING COMPANIES—ADEQUACY OF CAPITAL FACILITIES TO MEET CURRENT DEMAND: 1965 TO 1980

[Percent distribution. As of July. Number of companies weighted by company assets. Based on replies to the question: In view of the current rate of order bookings and customer inquiries, are your plant-and-equipment facilities now Inadequate, Sufficient, or More than adequate? as part of a quarterly survey conducted among the 1,000 largest manufacturing companies as listed by total assets]

YEAR	Inadequate	Sufficient	More than adequate	YEAR	Inadequate	Sufficient	More than adequate
1965.....	31	67	2	1973.....	45	53	2
1966.....	47	51	2	1974.....	57	40	3
1967.....	33	62	5	1975.....	19	43	38
1968.....	26	72	2	1976.....	18	65	17
1969.....	37	59	4	1977.....	20	66	14
1970.....	28	60	12	1978.....	20	62	18
1971.....	18	59	23	1979.....	20	69	11
1972.....	16	71	13	1980.....	12	57	31

Source: The Conference Board, New York, N.Y., *Quarterly Survey of Capital Investment and Supply Conditions in Manufacturing*. (Copyright.)

NO. 1418. LARGE MANUFACTURING COMPANIES—CAPITAL APPROPRIATIONS AND EXPENDITURES, BY INDUSTRY: 1970 TO 1980

[In millions of dollars, except percent. Based on reports submitted by companies responding to The Conference Board's *Quarterly Survey of Capital Appropriations*. This survey is conducted among the 1,000 largest manufacturing companies as listed by total assets. Appropriations: Authorizations by management to spend funds for new plant and equipment; Expenditures: Cost of new plant and equipment]

YEAR AND ITEM	Total	Food and beverages	Paper and allied products	Chemicals and allied products	Petroleum and coal products	Primary iron and steel	Electrical machinery and equip.	Machinery, except electrical	Motor vehicles and equipment	Other manufacturing
1970: Appropriations.....	25,337	1,587	1,034	3,036	5,704	1,534	2,584	3,098	1,276	5,484
Expenditures	26,321	1,598	1,046	3,143	5,559	1,746	2,408	3,093	1,689	6,039
Percent of appropriations.....	103.9	100.7	101.2	103.5	97.5	113.8	93.2	99.8	132.4	110.1
1974: Appropriations.....	53,707	3,014	3,041	7,625	12,885	5,128	2,730	5,849	1,697	11,758
Expenditures	39,985	2,560	1,802	5,834	7,410	2,077	2,798	4,605	2,515	10,384
Percent of appropriations.....	74.5	84.9	59.3	76.5	57.6	40.5	102.5	78.7	148.2	88.3
1975: Appropriations.....	45,034	3,573	1,802	7,466	13,986	3,102	1,978	3,748	1,015	8,264
Expenditures	45,557	3,081	1,905	7,172	11,907	3,552	2,227	4,014	1,808	9,891
Percent of appropriations.....	101.2	86.2	100.2	98.1	85.1	114.5	112.6	107.1	178.1	119.7
1976: Appropriations.....	50,034	3,834	1,585	7,906	11,231	2,897	2,853	5,001	3,517	11,210
Expenditures	47,055	3,666	2,073	7,486	12,551	3,552	2,445	4,442	1,701	9,139
Percent of appropriations.....	94.0	95.6	130.8	94.7	111.8	122.6	85.7	88.8	48.4	81.5
1977: Appropriations.....	63,420	4,966	2,648	7,864	17,527	2,516	3,189	5,105	5,268	14,347
Expenditures	52,498	3,882	1,825	7,545	14,350	3,048	3,064	4,747	3,321	10,716
Percent of appropriations.....	82.8	78.2	68.9	96.1	81.9	121.1	96.1	93.0	63.0	74.7
1978: Appropriations.....	67,156	4,898	2,795	7,759	15,142	3,083	4,421	6,306	6,981	15,771
Expenditures	58,356	4,217	2,140	7,797	14,495	2,671	3,668	5,445	4,508	13,415
Percent of appropriations.....	86.9	86.1	76.6	100.5	95.7	86.6	83.0	86.3	64.6	85.1
1979: Appropriations.....	88,519	6,640	3,979	10,725	19,526	3,559	5,859	10,236	8,129	19,866
Expenditures	73,126	5,037	3,018	9,309	16,876	3,243	4,918	8,400	5,335	16,990
Percent of appropriations.....	82.6	75.9	75.8	86.6	86.4	91.1	83.9	82.1	65.6	85.5
1980: Appropriations.....	104,631	6,603	3,576	12,170	32,875	2,889	6,544	9,368	7,110	23,496
Expenditures	88,209	6,014	3,659	10,918	22,228	3,458	6,271	9,826	5,555	20,080
Percent of appropriations.....	84.3	91.1	107.9	89.7	67.6	119.7	95.8	104.9	78.1	85.5

Source: The Conference Board, New York, N.Y., *Quarterly Survey of Capital Appropriations*. (Copyright.)

NO. 1419. EXPORTS AND EXPORT-RELATED EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS: 1963 TO 1977

[Includes only direct exports and products shipped to exporters or others for export. Excludes output of the supplying establishments that furnish parts or materials to the manufacturer producing the product exported. Therefore, estimates tend to underestimate the importance of the export trade for the domestic economy when compared to the total value of shipments of all manufacturers]

ITEM	Unit	1963	1971	1972	1976	1977
Value of shipments, total.....	Bil. dol.....	420.5	671.0	756.5	1,185.7	1,358.5
For export	Bil. dol.....	18.5	33.1	36.7	83.1	85.8
Percent of total	Percent.....	3.9	4.9	4.8	7.0	6.3
Manufacturing employment, total ¹	1,000.....	16,958	18,363	19,027	18,753	19,590
Export related.....	1,000.....	(NA)	746	770	1,173	1,106
Percent of total	Percent.....	4.1	4.0	6.3	5.6	5.6

NA Not available. ¹ Includes employees of central administrative and auxiliary offices.

Source: U.S. Bureau of the Census, *Census of Manufactures*, 1963, 1967, 1972, and 1977; and *Annual Survey of Manufactures*.

Exports

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NO. 1420. EXPORTS SHIPMENTS AND EXPORT-RELATED EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS, SELECTED STATES: 1977

[See headnote, table 1419 and footnote 1 of same table concerning employment figures. Represents States with export-related employment of 20,000 or more]

STATE	VALUE OF SHIPMENTS (mil. dol.)		EMPLOYMENT (1,000)		STATE	VALUE OF SHIPMENTS (mil. dol.)		EMPLOYMENT (1,000)	
	Total	For exports	Total	Export related		Total	For exports	Total	Export related
U.S. ¹	1,358,397	85,796	19,590	1,106	Minnesota.....	23,021	1,605	332	21
California	120,896	9,116	1,752	135	New Jersey.....	51,279	2,881	778	37
Connecticut.....	19,842	1,662	412	29	New York.....	86,216	5,833	1,510	81
Florida.....	20,981	1,583	358	24	North Carolina.....	40,912	2,291	765	29
Illinois.....	93,081	6,313	1,286	75	Ohio.....	95,235	6,028	1,931	78
Indiana.....	52,172	2,942	706	37	Pennsylvania.....	79,845	4,714	1,329	75
Massachusetts.....	30,144	2,310	613	43	Texas.....	92,736	5,386	886	52
Michigan.....	93,757	6,837	1,116	69	Washington.....	21,747	2,805	265	27
					Wisconsin.....	38,725	2,132	535	30

¹ Includes States not shown separately.

Source: U.S. Bureau of the Census, *Census of Manufactures, Origin of Exports of Manufactured Products, 1977*, Subject Series MC77-SR-12.

NO. 1421. U.S. SHARE OF WORLD EXPORTS OF MANUFACTURES: 1960 TO 1980

[World exports—exports from 15 major trading countries: U.S., Austria, Belgium-Luxembourg, Canada, Denmark, France, Fed. Rep. of Germany, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, and U.K. Percents are calculated from the values of exports of the six commodity groups from each of the 15 countries. Percentage shares are based on values excluding shipments to the United States and are based on current exchange rates]

YEAR	U.S. MANUFACTURES EXPORTS		EXPORT	U.S. MANUFACTURES EXPORTS					
				Total ¹ (bil. dol.)			Percent of world		
	Total ¹ (bil. dol.)	Percent of world		1978	1979	1980	1978	1979	1980
1960.....	12.7	25.3	Total.....	94.5	116.7	144.0	17.0	17.4	18.3
1965.....	17.3	22.5	Nonelectrical machinery.....	27.4	33.2	41.9	23.0	23.9	25.1
1970.....	29.4	21.1	Transport equipment.....	22.2	25.8	28.8	22.4	22.7	23.2
1975.....	71.0	19.1	Chemicals.....	12.6	17.3	20.7	17.3	17.9	18.9
1976.....	77.2	18.8	Electrical machinery.....	9.7	11.6	13.9	17.8	18.5	19.2
1977.....	80.2	17.3	Basic manufactures ²	12.5	16.2	22.3	8.7	9.2	10.7
			Misc. articles ³	10.2	12.6	16.3	15.0	15.1	16.3

¹ Excludes mineral fuel products, processed food, fats, oils, firearms of war, and ammunition. ² Includes semimanufactures of various materials, such as metals, fibers, wood, glass, leather, rubber, and certain finished products of metal. ³ Includes mainly nondurable consumer goods and professional and scientific instruments.

Source: U.S. Dept. of Commerce, International Trade Administration, *Business America*, biweekly.

NO. 1422. EXPORTS AND EXPORT-RELATED EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS, BY INDUSTRY: 1977

[See headnote, table 1419 and footnote 1 of same table concerning employment figures]

INDUSTRY GROUP	VALUE OF SHIPMENTS (mil. dol.)		MANUFACTURING EMPLOYMENT (1,000)		INDUSTRY GROUP	VALUE OF SHIPMENTS (mil. dol.)		MANUFACTURING EMPLOYMENT (1,000)	
	Total	For exports	Total	Export related		Total	For exports	Total	Export related
Manufacturing, total.....	1,358,397	85,796	19,590	1,106	Rubber, misc. plastics products.....	39,553	1,411	721	24
Food and kindred products.....	192,912	6,782	1,520	37	Leather, leather products.....	7,807	270	243	4
Tobacco manufactures.....	9,051	1,190	61	8	Stone, clay, glass products.....	35,477	997	614	17
Textile mill products.....	40,551	1,492	876	29	Primary metal industries.....	103,259	2,782	1,114	28
Apparel, other textile prod.	40,106	757	1,334	13	Fabricated metal products.....	90,078	4,125	1,557	71
Lumber and wood products.....	39,941	1,874	692	20	Machinery, exc. electrical.....	129,188	19,142	2,083	279
Furniture, fixtures.....	16,978	207	464	5	Elec., electronic equipment.....	89,426	8,061	1,723	159
Paper and allied products.....	52,086	2,100	629	19	Transportation equipment.....	166,896	17,712	1,767	201
Printing, publishing.....	49,716	649	1,092	10	Instruments and related products.....	28,898	4,235	559	85
Chemicals, allied products.....	118,074	9,466	880	69	Misc. manufacturing.....	19,151	1,424	441	24
Petroleum, coal products.....	97,453	1,112	147	3					

Source: U.S. Bureau of the Census, *Census of Manufactures, Origin of Exports of Manufactured Products, 1977*, Subject Series MC77-SR-12.

Manufactures

NO. 1423. MANUFACTURES SUMMARY

[Data based on various editions of the *Standard Industrial Classification Manual*, published by the Office of

Industry code ¹	Industry group	1967			1972				
		Establishments (number)	All employees		Establishments (number)	All employees			
			Number ² (1,000)	Pay-roll (mil. dol.)		Number ² (1,000)	Pay-roll (mil. dol.)		
(x)	All manufacturing establishments, incl. central administrative offices.....	311,140	19,323	132,208	261,984	320,701	19,027	174,187	353,973
20	Food and kindred products	32,518	1,650	10,077	26,621	28,183	1,569	12,920	35,615
201	Meat products	4,914	310	1,954	3,551	4,437	308	2,544	4,961
202	Dairy products	6,188	232	1,449	3,466	4,590	189	1,596	4,054
203	Preserved fruits and vegetables	3,528	223	1,084	6,238	2,557	233	1,534	4,514
204	Grain mill products	3,202	112	758	2,882	3,080	111	1,013	3,699
205	Bakery products	4,300	264	1,665	3,495	3,633	235	2,029	4,537
206	Sugar and confectionery products	182	114	644	1,900	1,249	107	832	2,473
207	Fats and oils	(NA)	44	297	919	860	40	366	1,291
208	Beverages	4,376	221	1,525	4,790	3,624	212	2,033	6,689
209	Misc. foods and kindred products	4,498	130	700	2,375	4,153	134	974	3,397
21	Tobacco products	329	75	377	6 2,032	272	66	502	2,637
211	Cigarettes	16	37	221	6 1,640	20	38	345	2,188
212	Cigars	148	19	71	6 195	124	14	68	192
213	Chewing and smoking tobacco	46	4	18	6 64	37	3	23	103
214	Tobacco stemming and redrying	119	16	66	6 133	91	11	66	154
22	Textile mill products	7,080	928	4,391	8,153	7,201	953	6,051	11,716
221	Weaving mills, cotton	393	203	938	1,624	307	121	745	1,256
222	Weaving mills, manmade fiber	396	109	529	922	412	150	879	1,832
223	Weaving, finishing mills, wool	310	42	216	429	198	19	132	239
224	Narrow fabric mills	384	26	121	214	376	27	162	289
225	Knitting mills	2,696	241	1,036	1,914	2,723	277	1,647	3,181
226	Textile finishing, except wool	641	74	416	710	655	80	564	1,114
227	Floor covering mills	385	44	228	599	527	60	415	1,076
228	Yarn and thread mills	768	119	505	946	807	148	866	1,580
229	Misc. textile goods	1,105	72	401	795	1,196	72	540	1,149
23	Apparel, other textile products	26,393	1,357	5,582	10,064	24,438	1,368	7,212	13,488
231	Men's and boys' suits and coats	1,003	136	642	1,048	856	125	770	1,342
232	Men's and boys' furnishings	2,853	345	1,212	2,181	2,787	363	1,692	3,242
233	Women's and misses' outerwear	9,416	409	1,756	3,183	9,526	433	2,270	4,102
234	Women's, children's undergarments	1,213	114	444	867	1,002	105	525	1,049
235	Hats, caps, and millinery	843	24	102	164	496	15	73	133
236	Children's outerwear	1,334	78	298	538	1,061	75	368	709
237	Fur goods	1,304	9	59	117	797	5	41	86
238	Misc. apparel and accessories	1,397	71	285	510	1,302	62	336	636
239	Misc. fabricated textile products	7,030	173	785	1,457	6,611	186	1,139	2,188
24	Lumber and wood products ⁷	36,795	554	2,799	4,973	33,949	691	4,986	10,310
241	Logging camps, log contractors	16,334	71	339	695	13,238	80	524	1,163
242	Sawmills and planing mills	11,461	216	1,028	1,784	9,452	204	1,468	3,259
243	Millwork, plywood, and structural members ⁷	4,558	154	896	1,505	5,506	191	1,474	2,908
244	Wood containers ⁷	905	31	135	239	1,160	37	204	359
245	Wood buildings and mobile homes	(NA)	(NA)	(NA)	(NA)	993	97	745	1,491
249	Misc. wood products ⁷	3,537	83	401	750	3,600	82	550	1,129
25	Furniture and fixtures	10,008	425	2,258	4,170	9,233	482	3,205	6,097
251	Household furniture ⁷	6,306	298	1,456	2,650	5,369	317	2,024	3,661
252	Office furniture	365	35	225	478	433	39	330	660
253	Public building, related furniture	438	23	132	234	422	21	158	296
254	Partitions and fixtures	1,970	48	324	587	2,010	57	484	871
259	Misc. furniture and fixtures	929	22	121	221	999	27	210	410
26	Paper and allied products	5,890	639	4,436	9,756	6,038	633	5,992	13,084
261	Pulp mills	61	15	126	334	60	11	126	307
262	Papermills, except building paper	354	140	1,121	2,356	349	130	1,440	2,909
263	Paperboard mills	283	67	534	1,509	273	69	778	1,994
264	Misc. converted paper products	2,492	187	1,187	2,833	2,525	189	1,630	4,008
265	Paperboard containers and boxes	2,606	219	1,387	2,541	2,739	224	1,907	3,599
266	Building paper and board mills	94	12	83	184	92	12	112	247

For footnotes, see pp. 780 and 791.

Industry Groups

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FOR INDUSTRY GROUPS: 1967 TO 1977

Management and Budget; see text, p. 776. See also *Historical Statistics, Colonial Times to 1970*, series P 58-67]

1975			1977								
All employees		Value added by manufacturer ³	Capital expenditures, new ⁴	Establishments		All employees		Production workers		Value added by manufacturer ³	Capital expenditures, new ⁴
Number ² (1,000)	Payroll (mil. dol.)	(mil. dol.)	(mil. dol.)	Total	With 20 or more employees	Number ² (1,000)	Payroll (mil. dol.)	Number ² (1,000)	Wages (mil. dol.)	(mil. dol.)	(mil. dol.)
18,302	209,519	442,485	37,262	359,928	118,669	19,590	264,013	13,691	157,164	585,166	47,459
1,525	15,856	48,095	3,434	26,656	11,038	1,520	18,544	1,072	11,731	56,082	4,215
308	3,161	7,169	423	4,534	1,715	309	3,702	254	2,617	7,478	533
170	1,823	4,942	294	3,731	1,617	154	1,939	85	988	5,648	389
223	1,918	6,041	430	2,379	1,263	235	2,336	199	1,793	7,685	471
114	1,329	5,644	452	3,043	1,076	113	1,576	79	1,034	6,826	620
237	2,584	6,288	270	3,386	1,289	222	2,866	131	1,525	7,073	365
103	988	3,677	283	1,198	518	105	1,206	84	868	4,151	313
41	472	1,649	232	869	456	41	561	30	365	1,905	208
204	2,417	8,110	755	3,104	1,689	195	2,849	100	1,369	9,901	994
126	1,185	4,576	296	4,412	1,413	146	1,509	111	972	5,596	322
66	655	3,722	145	228	123	61	751	50	571	4,334	182
40	477	3,203	102	14	13	39	568	33	442	3,803	118
10	58	166	3	101	34	8	55	7	44	126	3
3	27	143	3	35	19	3	32	3	22	188	7
13	92	210	37	78	57	11	96	8	63	217	53
835	6,397	12,044	997	7,202	4,131	876	7,881	765	6,203	16,105	1,224
107	769	1,337	133	314	192	117	7,047	107	902	1,945	187
152	1,150	1,965	192	449	351	151	1,429	135	1,169	2,791	260
14	112	198	11	165	84	15	137	13	106	313	15
19	140	259	12	335	182	21	172	18	131	351	16
231	1,686	3,301	228	2,617	1,511	236	1,911	206	1,470	3,863	245
68	612	1,151	92	678	395	72	740	60	554	1,417	125
49	416	1,040	53	592	285	56	557	44	380	1,530	83
131	915	1,567	161	798	608	141	1,184	127	994	2,255	180
64	596	1,227	115	1,254	523	68	706	55	498	1,641	112
1,214	7,700	14,749	381	26,505	11,932	1,334	9,659	1,157	7,253	19,671	457
98	738	1,250	16	737	467	99	822	86	646	1,574	26
333	1,842	3,654	76	3,013	2,129	365	2,340	323	1,863	4,935	118
402	2,511	4,786	127	11,834	5,556	448	3,153	387	2,304	6,430	134
87	514	973	24	878	595	92	613	79	449	1,250	23
15	99	158	3	409	169	15	105	13	79	186	4
64	364	708	13	1,002	686	71	459	61	349	879	14
4	38	86	3	620	48	4	52	3	36	113	1
55	363	683	16	1,284	593	56	408	48	288	845	21
156	1,232	2,451	103	6,728	1,689	185	1,707	156	1,238	3,459	116
588	5,231	10,356	1,264	37,302	7,056	692	7,425	595	5,795	16,223	1,563
67	664	1,713	378	15,469	708	83	1,009	75	840	2,419	387
194	1,642	3,041	472	9,000	2,273	211	2,228	188	1,849	4,975	585
159	1,526	2,836	187	6,149	1,878	197	2,216	167	1,715	4,701	273
31	233	472	37	1,949	540	38	300	33	234	540	30
58	540	1,050	36	1,165	752	80	858	63	576	1,789	110
78	626	1,243	155	3,570	905	83	813	69	581	1,800	180
396	3,310	6,290	252	10,235	3,568	464	4,448	384	3,192	8,922	389
266	2,036	3,801	149	6,161	2,224	310	2,669	265	1,999	5,213	211
37	370	756	30	523	233	45	543	35	376	1,236	68
20	174	331	16	420	185	20	214	15	133	415	22
48	492	940	36	2,134	666	57	675	44	454	1,311	59
25	239	462	21	997	280	32	347	24	230	747	29
589	6,990	17,944	2,718	6,545	3,999	629	8,943	486	6,323	22,171	3,295
13	191	821	294	45	42	16	293	13	221	906	301
121	1,668	3,973	832	339	287	127	2,167	100	1,632	5,407	1,115
65	911	2,832	807	249	232	68	1,176	53	888	3,081	934
193	2,075	5,729	412	2,994	1,435	207	2,608	158	1,771	7,263	507
188	2,040	4,351	347	2,880	1,950	204	2,602	157	1,733	5,296	421
9	106	238	26	58	53	7	97	6	78	218	17

No. 1423. MANUFACTURES SUMMARY

[See headnote,

Industry code ¹	Industry group	1967				1972			
		Establishments (number)	All employees		Value added by manufacture ³ (mil. dol.)	Establishments (number)	All employees		Value added by manufacture ³ (mil. dol.)
			Number ² (1,000)	Payroll (mil. dol.)			Number ² (1,000)	Payroll (mil. dol.)	
27	Printing and publishing.....	37,989	1,031	7,152	14,355	42,103	1,057	9,831	20,210
271	Newspapers.....	8,094	336	2,224	4,185	8,116	349	3,168	6,220
272	Periodicals.....	2,510	79	634	1,869	2,534	67	709	2,110
273	Books.....	1,766	97	688	1,967	1,805	98	919	2,540
274	Misc. publishing.....	1,493	31	197	418	2,041	39	331	776
275	Commercial printing ⁷	19,497	331	2,358	3,944	22,282	344	3,277	5,695
276	Manifold business forms.....	542	34	240	551	667	39	344	824
277	Greeting card publishing ⁷	222	28	151	372	199	24	192	527
278	Blankbooks and bookbinding	1,462	54	294	506	1,465	52	372	687
279	Printing trades services ⁷	2,403	42	366	544	2,694	47	521	831
28	Chemicals and allied products ⁷	5 11,799	5 841	5 6,443	5 23,550	5 11,425	5 837	5 8,731	32,414
281	Industrial inorganic chemicals ⁷	2,032	248	2,090	7,737	1,049	100	1,079	3,343
282	Plastics materials, synthetics ⁷	771	172	1,292	3,799	461	162	1,666	4,935
283	Drugs.....	1,129	118	942	4,073	1,078	130	1,413	6,131
284	Soap, cleaners, toilet goods ⁷	2,508	97	684	3,930	2,573	112	1,058	6,201
285	Paints and allied products.....	1,701	66	492	1,319	1,599	66	647	1,792
286	Industrial organic chemicals.....	(NA)	131	1,130	4,406	827	137	1,614	6,073
287	Agricultural chemicals ⁷	1,278	46	281	1,006	1,233	48	438	1,737
289	Misc. chemical products ⁷	2,196	88	628	1,587	2,605	83	814	2,203
29	Petroleum and coal products.....	1,880	142	1,216	5,426	2,016	140	1,638	5,793
291	Petroleum refining.....	437	107	965	4,745	323	101	1,247	4,695
295	Paving and roofing materials.....	1,098	27	186	456	1,199	30	297	846
299	Misc. petroleum and coal products.....	345	8	65	225	494	9	94	352
30	Rubber and miscellaneous plastics products ⁷	6,456	517	3,287	6,800	9,237	618	5,165	11,653
301	Tires and inner tubes.....	182	93	775	1,823	206	108	1,214	3,071
302	Rubber, plastics footwear ⁷	65	29	141	245	107	32	183	370
303	Reclaimed rubber.....	24	2	12	23	20	1	9	16
304	Rubber and plastics hose, belting.....	(NA)	(NA)	(NA)	(NA)	90	32	309	619
306	Fabricated rubber products, n.e.c. ⁷	1,189	142	923	1,741	1,116	99	809	1,573
307	Misc. plastics products ⁷	4,996	252	1,436	2,968	7,698	347	2,642	6,005
31	Leather and leather products.....	5 3,685	5 329	5 1,459	5 2,627	3,201	273	1,589	2,917
311	Leather tanning and finishing.....	519	31	186	318	517	26	200	368
313	Boot, shoe cut stock, findings.....	379	14	60	109	248	9	50	86
314	Footwear, except rubber.....	1,083	211	889	1,620	917	176	973	1,796
315	Leather gloves and mittens.....	147	6	22	36	106	5	22	43
316	Luggage.....	333	21	97	186	277	17	107	194
317	Women's handbags and purses.....	792	37	163	279	688	34	195	345
319	Leather goods, n.e.c. ⁷	365	6	26	446	7	43	84	
32	Stone, clay, and glass products.....	15,580	590	3,826	8,333	16,015	623	5,547	12,587
321	Flat glass.....	64	24	197	423	32	21	242	662
322	Glass, pressed or blown.....	305	109	688	1,501	369	119	1,058	2,341
323	Products of purchased glass.....	887	29	182	394	913	34	296	669
324	Cement, hydraulic.....	197	33	248	812	198	30	349	1,154
325	Structural clay products.....	851	60	344	612	775	52	391	771
326	Pottery and related products.....	619	43	247	419	620	45	335	601
327	Concrete, gypsum, plaster products.....	10,004	169	1,103	2,478	10,115	193	1,741	3,840
328	Cut stone and stone products.....	811	17	91	148	908	15	109	191
329	Misc. nonmetallic mineral products ⁷	1,842	106	726	1,547	2,085	115	1,025	2,359
33	Primary metal industries ⁷	6,837	1,281	9,851	19,978	6,792	1,143	12,167	23,258
331	Blast furnace and basic steel products.....	881	617	5,022	10,170	970	553	6,989	12,116
332	Iron and steel foundries.....	1,438	233	1,641	2,631	1,400	219	2,155	3,481
333	Primary nonferrous metals.....	144	53	405	1,382	177	59	627	1,706
334	Secondary nonferrous metals.....	403	17	123	271	381	18	170	411
335	Nonferrous rolling and drawing.....	833	195	1,438	3,325	903	188	1,871	3,800
336	Nonferrous foundries.....	1,886	90	609	1,068	1,841	81	722	1,269
339	Misc. primary metal products ⁷	1,272	76	613	1,132	1,120	25	233	476

For footnotes, see pp. 790 and 791.

Industry Groups

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FOR INDUSTRY GROUPS: 1967 TO 1977—Continued

pp. 786 and 787]

1975				1977							
All employees		Value added by manufacture ^a (mil. dol.)	Capital expenditures, new ^b (mil. dol.)	Establishments		All employees		Production workers		Value added by manufacture ^a (mil. dol.)	Capital expenditures, new ^b (mil. dol.)
Number ^c (1,000)	Payroll (mil. dol.)			Total	With 20 or more employees	Number ^c (1,000)	Payroll (mil. dol.)	Number ^c (1,000)	Wages (mil. dol.)		
1,070	11,655	24,641	1,175	49,767	9,132	1,092	14,025	626	7,322	31,980	1,598
360	3,770	7,578	363	8,867	2,147	350	4,306	147	1,805	9,519	478
73	880	2,652	62	2,994	525	70	1,020	11	116	3,763	79
99	1,131	3,187	138	2,694	716	106	1,379	51	544	4,291	134
34	362	862	38	2,352	335	42	503	15	150	1,291	39
355	3,900	6,890	413	26,815	3,637	356	4,702	275	3,275	8,551	640
40	440	1,156	75	795	477	45	575	33	391	1,492	82
19	195	559	16	166	52	18	227	11	106	656	19
47	417	856	33	1,492	576	56	579	46	419	1,149	55
43	560	901	37	3,592	667	48	735	36	516	1,268	72
842	11,227	44,976	6,353	12,173	4,602	880	13,839	544	7,446	56,721	8,199
109	1,538	5,213	721	1,282	490	110	1,847	68	1,033	6,487	1,056
150	1,985	5,525	1,439	551	408	157	2,471	111	1,558	7,843	1,316
150	2,039	8,030	475	1,243	482	156	2,460	80	997	9,940	579
108	1,278	7,248	255	2,528	739	112	1,526	71	823	9,407	334
60	737	2,126	122	1,579	653	61	883	33	394	2,821	167
137	2,079	9,511	2,120	879	510	153	2,794	98	1,625	12,875	3,353
52	653	4,546	980	1,325	482	54	784	35	455	3,808	1,107
75	919	2,777	261	2,786	838	77	1,075	47	561	3,539	287
141	2,147	10,500	2,418	2,206	773	147	2,696	101	1,765	16,378	2,261
101	1,666	8,927	2,275	349	279	103	2,055	71	1,366	14,424	2,109
30	345	1,065	85	1,297	328	32	481	24	319	1,272	113
11	137	507	57	560	166	12	180	6	80	682	40
585	5,923	13,599	1,140	11,943	5,294	721	8,536	564	5,842	19,740	1,645
106	1,332	3,463	272	200	126	114	1,832	88	1,366	4,347	289
25	176	320	10	84	50	20	159	16	116	272	11
1	9	16	1	21	9	1	12	1	8	25	1
27	307	695	80	146	103	34	457	23	275	974	55
90	884	1,748	86	1,280	821	99	1,164	77	795	2,352	135
335	3,214	7,357	691	10,212	4,385	454	4,912	358	3,281	11,770	1,154
240	1,651	3,187	78	3,075	1,486	243	1,860	212	1,408	3,719	96
23	220	444	23	465	191	23	255	20	192	535	31
8	53	74	3	180	96	9	65	7	49	109	3
146	934	1,826	35	811	603	146	1,032	129	822	2,070	37
6	32	55	1	101	66	6	34	5	26	68	2
17	125	245	4	298	130	19	164	16	106	328	8
34	231	427	6	678	283	32	242	28	170	472	11
7	57	117	5	532	117	9	68	7	44	137	4
589	6,390	14,849	1,581	17,744	5,201	614	7,943	484	5,767	19,130	1,881
21	298	654	57	62	32	22	401	19	328	931	81
111	1,219	2,931	278	508	249	117	1,548	101	1,269	3,592	365
33	341	665	49	1,101	325	36	429	29	306	960	73
29	411	1,333	355	201	160	28	485	22	380	1,672	297
47	411	834	64	711	471	45	486	37	360	1,058	82
44	389	733	44	934	241	43	460	36	342	894	45
170	1,958	4,419	433	10,844	2,711	184	2,367	134	1,559	5,391	605
15	121	234	8	993	164	13	132	11	99	238	10
113	1,241	3,047	294	2,390	848	126	1,635	97	1,124	4,395	323
1,089	14,994	30,387	4,185	7,375	3,980	1,114	18,745	885	14,065	37,568	4,497
532	8,106	15,783	2,288	1,216	740	530	10,086	418	7,631	18,318	2,443
221	2,713	4,976	520	1,465	1,033	222	3,929	184	2,583	6,237	659
58	844	2,411	599	160	99	57	1,032	45	768	3,619	587
17	208	576	62	460	200	19	270	14	170	769	114
162	2,008	4,590	473	1,002	711	177	2,640	136	1,902	5,902	461
76	816	1,435	165	1,892	805	82	1,044	69	783	1,960	164
24	299	596	59	1,180	392	26	345	20	229	763	70

NO. 1423. MANUFACTURES SUMMARY

[See headnote,

Indus- try code ¹	INDUSTRY GROUP	1967				1972			
		All employees		Value added by manu- facture ³ (mil. dol.)	Estab- lish- ments (num- ber)	All employees		Value added by manu- facture ³ (mil. dol.)	
		Num- ber ² (1,000)	Pay- roll (mil. dol.)			Num- ber ² (1,000)	Pay- roll (mil. dol.)		
34	Fabricated metal products ⁷	27,418	1,342	9,320	18,043	29,525	1,493	13,821	26,946
341	Metal cans, shipping containers ⁷	299	60	474	1,142	553	79	840	2,005
342	Cutlery, handtools, hardware	1,939	156	1,043	2,318	1,904	159	1,405	3,253
343	Plumbing and heating, exec. electric ⁷	838	65	428	872	757	61	524	1,132
344	Fabricated structural metal products	10,151	388	2,687	4,934	10,351	395	3,532	6,743
345	Screw machine products, bolts, etc.	2,536	116	847	1,621	2,482	101	948	1,845
346	Metal forgings, stampings ⁷	2,710	226	1,586	3,031	3,188	264	2,791	5,057
347	Metal services, n.e.c.	4,684	81	481	864	4,761	82	624	1,120
348	Ordnance and accessories, n.e.c. ⁷	(NA)	(NA)	(NA)	(NA)	315	110	1,015	1,507
349	Misc. fabricated metal products ⁷	2,711	189	1,309	2,591	5,214	244	2,142	4,283
35	Machinery, exc. electrical	37,892	1,865	14,226	27,836	40,792	1,828	18,523	37,583
351	Engines and turbines	182	100	820	1,598	253	116	1,320	2,900
352	Farm and garden machinery	1,618	136	947	2,042	1,658	125	1,211	2,701
353	Construction and related machinery	2,305	273	2,041	4,130	2,517	275	2,856	5,952
354	Metalworking machinery	9,439	337	2,886	5,091	9,652	268	2,859	4,902
355	Special industry machinery	3,312	207	1,570	2,880	3,685	190	1,854	3,732
356	General industrial machinery	3,760	279	2,137	4,107	3,863	262	2,585	5,020
357	Office and computing machines	594	190	1,462	3,332	995	208	2,277	4,905
358	Refrigeration, service machinery	1,573	140	947	2,125	1,769	198	1,864	4,427
359	Misc. machinery, except electrical ⁷	15,108	203	1,443	2,531	16,400	184	1,697	3,016
36	Electric and electronic equipment	10,706	1,875	12,968	24,487	12,270	1,662	15,189	30,558
361	Electric distributing equipment ⁷	1,218	176	1,230	2,509	784	116	1,040	2,080
362	Electrical industrial apparatus	1,316	207	1,420	2,792	1,510	188	1,665	3,218
363	Household appliances	637	169	1,101	2,540	645	163	1,369	3,563
364	Electric lighting and wiring equipment	1,868	157	950	2,214	1,897	177	1,414	3,277
365	Radio and TV receiving equipment	661	130	720	1,587	939	107	798	2,183
366	Communication equipment	1,402	525	4,397	6,993	1,976	454	4,912	8,453
367	Electronic components, accessories	2,439	403	2,435	4,359	2,867	336	2,889	5,306
369	Misc. electrical equipment, supplies	1,165	107	715	1,494	1,652	120	1,121	2,498
37	Transportation equipment ⁷	7,483	1,834	15,174	28,174	8,802	1,719	19,880	39,799
371	Motor vehicles and equipment ⁷	2,875	739	5,930	13,666	3,381	808	9,461	22,056
372	Aircraft and parts ⁷	1,273	802	7,209	11,327	1,004	439	5,282	9,124
373	Ship and boat building and repairing	2,011	169	1,239	1,705	2,232	185	1,704	2,398
374	Railroad equipment	123	57	427	788	163	51	529	1,113
375	Motorcycles, bicycles, parts	91	12	70	136	222	18	140	315
376	Guided missiles, space vehicles	(NA)	(NA)	(NA)	(NA)	147	160	2,317	3,969
379	Misc. transportation equipment ⁷	1,310	55	298	551	1,553	59	448	824
38	Instruments and related products ⁷	4,453	394	2,822	6,418	5,983	453	4,286	10,580
381	Engineering, scientific instruments	877	46	327	617	743	37	365	681
382	Measuring and control devices ⁷	766	104	732	1,392	1,611	153	1,437	2,724
383	Optical instruments and lenses ⁷	303	21	163	284	494	19	193	384
384	Medical instruments and supplies	1,466	67	427	966	1,807	91	758	1,821
385	Ophthalmic goods	461	26	143	284	499	27	183	416
386	Photographic equip. and supplies	557	95	820	2,481	627	96	1,120	4,088
387	Watches, clocks, and watchcases	223	35	209	393	202	31	230	466
39	Misc. manufacturing ^{7,8}	14,489	824	5,819	10,189	15,187	446	3,180	6,769
391	Jewelry, silverware, and plated ware	2,212	52	320	641	2,296	53	425	851
393	Musical instruments	343	25	144	238	344	25	173	339
394	Toys and sporting goods	2,435	116	559	1,205	2,460	133	881	1,999
395	Pens, office and art goods	959	35	200	412	986	32	244	557
396	Costume jewelry and notions	1,608	52	252	528	1,482	50	323	720
399	Misc. manufactures ^{7,8}	6,932	544	4,345	7,163	7,639	153	1,134	2,303
(X)	Administrative and auxiliary ⁹	5,460	831	8,728	(X)	8,039	994	13,772	(X)

NA Not available. X Not applicable. ¹ Standard Industrial Classification Code; see text, p. 776. ² "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 15th of March. ³ See footnote 6, table 1405. ⁴ Includes expenditures for plants in operation and plants under construction but not yet in operation. ⁵ Includes industries not shown separately. ⁶ Value of production. The formula for computing value added by manufacture was modified to exclude any change in finished products inventories between beginning and end of year.

Industry Groups

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FOR INDUSTRY GROUPS: 1967 TO 1977—Continued

pp. 786 and 787]

				1977								Capital expenditures, new ⁴ (mill. dol.)	
All employees		Value added by manufacture ³ (mil. dol.)	Capital expenditures, new ⁴ (mil. dol.)	Establishments		All employees		Production workers		Value added by manufacture ³ (mil. dol.)	Value added by manufacture ³ (mil. dol.)		
Number ² (1,000)	Payroll (mil. dol.)			Total	With 20 or more employees	Number ² (1,000)	Payroll (mil. dol.)	Number ² (1,000)	Wages (mil. dol.)				
1,417	16,334	34,203	2,074	33,712	12,739	1,556	21,036	1,192	14,429	45,512	2,806		
74	1,040	2,826	249	587	413	72	1,247	60	1,000	3,644	209		
147	1,619	3,602	205	2,137	877	169	2,179	133	1,553	5,177	299		
53	551	1,162	75	1,015	341	53	637	41	423	1,574	74		
397	4,488	9,257	483	11,817	4,279	426	5,492	309	3,467	11,785	580		
97	1,085	2,255	122	2,627	1,102	105	1,414	82	983	2,864	184		
241	3,077	6,039	415	3,715	1,875	288	4,511	236	3,419	8,913	604		
81	774	1,431	104	5,095	1,373	94	1,009	77	706	1,963	121		
82	994	1,635	63	346	151	70	992	47	559	1,737	88		
246	2,705	5,997	359	6,373	2,328	279	3,556	208	2,318	7,855	452		
1,987	24,555	51,044	3,355	48,200	12,446	2,083	30,558	1,414	18,288	67,223	4,402		
121	1,677	3,434	339	315	168	130	2,299	90	1,405	4,960	330		
150	1,872	4,365	247	2,159	756	151	2,197	111	1,456	5,490	371		
318	4,178	9,473	804	3,229	1,518	333	5,097	226	3,185	11,836	932		
290	3,671	6,862	295	10,630	2,680	298	4,514	218	2,983	8,747	439		
199	2,394	4,871	200	4,090	1,487	185	2,616	118	1,450	5,271	244		
290	3,565	7,428	458	4,947	1,806	314	4,451	212	2,712	9,673	553		
225	3,033	6,441	390	1,317	610	259	3,949	124	1,384	9,921	826		
158	1,791	3,893	187	2,114	837	192	2,516	138	1,637	5,983	288		
215	2,375	4,277	336	19,399	2,584	223	2,980	177	2,106	5,362	421		
1,524	17,401	34,845	1,877	14,973	5,338	1,723	22,544	1,191	12,952	50,366	2,867		
105	1,154	2,492	69	947	459	115	1,431	85	910	3,396	141		
185	2,030	4,209	233	1,646	819	198	2,543	142	1,572	5,614	311		
145	1,486	3,601	176	666	342	162	1,898	129	1,352	5,276	207		
145	1,450	3,392	163	2,009	913	165	1,925	127	1,292	4,741	217		
85	853	1,834	90	1,290	325	98	1,087	75	740	3,078	136		
434	5,714	10,324	422	2,385	1,126	459	6,995	260	3,226	14,130	689		
302	3,358	5,984	536	4,455	1,671	374	4,557	258	2,457	9,260	783		
121	1,358	2,909	188	1,575	683	152	2,098	116	1,402	4,930	383		
1,605	22,772	45,337	2,762	10,176	3,653	1,768	30,673	1,284	20,314	64,291	4,671		
699	9,856	21,466	1,831	4,234	1,708	876	16,098	728	12,682	37,023	3,696		
428	6,601	12,801	369	1,173	549	431	7,821	240	3,564	14,732	508		
202	2,305	3,552	329	2,795	736	220	2,940	176	2,132	4,681	204		
60	798	1,566	73	201	118	56	889	43	620	1,883	80		
14	148	254	16	350	63	16	168	13	130	370	24		
148	2,624	4,764	109	109	86	120	2,427	46	771	4,422	164		
44	440	933	35	1,314	393	49	591	39	416	1,181	54		
500	5,829	14,158	794	7,481	2,538	559	7,520	347	3,743	18,762	939		
46	561	1,112	40	786	279	42	584	25	281	1,287	57		
163	1,898	3,616	142	2,079	849	200	2,666	121	1,288	5,242	268		
23	283	572	24	545	199	30	421	17	188	897	51		
109	1,110	2,621	170	2,355	679	114	1,319	77	712	3,262	172		
27	248	478	15	634	155	30	314	22	188	656	44		
100	1,441	5,177	388	780	265	112	1,900	62	887	6,732	323		
32	287	580	16	302	112	32	317	24	199	685	23		
393	3,487	7,580	302	17,259	3,794	441	4,406	339	2,745	10,291	474		
50	481	998	29	3,118	584	61	638	44	373	1,449	40		
25	219	392	16	450	127	25	253	21	178	488	14		
113	917	2,161	106	2,910	835	119	1,112	93	697	3,000	148		
31	281	624	34	987	261	32	391	23	203	868	55		
44	347	835	21	1,514	467	51	451	42	293	1,002	44		
131	1,241	2,571	97	8,280	1,340	152	1,623	116	1,001	3,485	173		
1,128	19,015	(x)	(x)	9,171	4,856	1,074	21,981	(x)	(x)	(x)	(x)		

² Due to changes in industry classification, 1967 data not comparable with later data. ³ For 1967, includes ordnance from privately owned and/or operated establishments classified in "Ordnance and accessories." Excludes government-owned and operated equipment. ⁴ Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing establishments of a company, rather than the general public. Separate reports were obtained from such units if at a different location or if they serviced more than one establishment.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1967, 1972, and 1977, General Summary*, MC67(1), MC72(1)-1, and MC77(1)-1.

No. 1424. FUELS AND ELECTRIC ENERGY USED IN MANUFACTURING INDUSTRIES: 1958 TO 1978

[Btu=British thermal unit. For definition of Btu, see headnote, table 991]

INDUSTRY GROUP AND TYPE OF ENERGY	Unit	1958	1962	1967	1974	1975	1976	1977	1978
ENERGY USED									
All manufacturing industries ¹	Tril. Btu....	8,248	9,811	11,810	13,548	12,084	12,776	12,888	12,929
Chemicals and allied products	Tril. Btu....	1,542	1,877	2,460	3,042	2,806	3,017	2,983	2,905
Primary metals	Tril. Btu....	1,769	2,303	2,422	2,687	2,240	2,381	2,560	2,711
Paper and allied products	Tril. Btu....	806	929	1,156	1,329	1,210	1,295	1,307	1,301
Petroleum and coal products	Tril. Btu....	932	1,145	1,394	1,568	1,933	1,292	1,238	1,123
Stone, clay, and glass products	Tril. Btu....	945	1,056	1,229	1,334	1,160	1,220	1,251	1,300
Food and kindred products	Tril. Btu....	766	803	900	950	914	938	956	981
Fabricated metal products	Tril. Btu....	190	213	298	406	368	381	394	400
Machinery, exc. electrical	Tril. Btu....	210	235	311	357	328	330	340	351
Lumber and wood products	Tril. Btu....	90	118	188	267	229	244	228	231
Printing and publishing	Tril. Btu....	41	50	66	90	87	86	92	92
TYPE OF ENERGY									
Purchased fuels and electric energy ¹	Tril. Btu....	8,248	9,811	11,810	13,548	12,084	12,776	12,888	12,929
Cost	Mil. dol.	5,067	6,184	7,692	19,468	23,291	28,139	33,335	37,687
Fuels	Mil. dol.	2,836	3,381	3,975	11,003	12,978	15,960	18,818	20,692
Electric energy	Mil. dol.	2,231	2,823	3,717	8,465	10,313	12,179	14,517	16,995
Coal	Tril. Btu....	2,143	2,343	1,967	1,252	1,169	1,255	1,329	1,352
Cost	Mil. dol.	638	640	552	1,083	1,310	1,344	1,494	1,688
Fuel oil ^a	Tril. Btu....	969	1,209	1,092	1,738	1,726	1,978	2,125	2,122
Cost	Mil. dol.	523	623	536	3,315	3,519	3,986	4,886	4,850
Gas	Tril. Btu....	3,187	4,411	5,434	6,724	5,944	5,999	5,700	5,603
Cost	Mil. dol.	901	1,456	1,749	4,360	5,653	7,532	8,875	9,861
Purchased electric energy	Tril. Btu....	863	1,071	1,459	2,104	2,036	2,184	2,263	2,305
Cost	Mil. dol.	2,231	2,823	3,717	8,465	10,313	12,179	14,517	16,995

¹ Includes items not shown separately. ² Includes fuel-oil related products.Source: U.S. Bureau of the Census, *Census of Manufactures*, 1972 and 1977; and *Annual Survey of Manufactures*.

NO. 1425. ENERGY CONSUMPTION PER CONSTANT DOLLAR OF VALUE ADDED FOR SELECTED INDUSTRIES: 1971 TO 1977

[1,000 Btu's per 1972 dollar. Includes basic industries. Industries selected on the basis of both total energy consumed and energy intensiveness; industries account for about 60 percent of total manufacturing energy consumption and about 8 percent of total manufacturing value added; see source for details. Consumption values include estimates of externally generated energy as well as purchased fuels and electric power. Minus sign (-) denotes decrease]

YEAR	Total economy ¹	All manufacturing	B-industry groups	Paper	Paper-board	Inorganic chemicals	Organic chemicals ²	Petro-leum refining	Cement	Steel	Alumi-num
1971	61.6	52.5	373.8	316.2	458.8	245.8	277.9	631.4	421.4	314.5	418.5
1974	59.7	46.2	327.8	291.1	461.3	218.9	241.7	635.8	435.9	262.4	406.8
1975	58.8	46.6	353.4	319.3	503.7	210.8	244.8	613.7	442.9	282.4	401.0
1976	58.5	44.1	338.1	317.7	470.6	212.2	227.4	590.9	432.7	274.7	372.1
1977	57.1	42.3	329.2	308.7	464.8	203.3	193.9	573.7	411.2	282.7	379.9
AVERAGE ANNUAL PERCENT CHANGE											
1971-1974	-1.0	-4.0	-3.2	-2.6	.2	-3.6	-4.3	.2	1.1	-5.5	-9
1974-1975	-1.5	.9	4.6	9.7	9.2	-3.7	1.3	-3.5	1.6	7.5	-1.4
1975-1976	-.5	-5.4	-4.3	-.5	-6.6	.7	-7.1	-3.7	-2.3	-2.7	-7.2
1976-1977	-2.4	-4.1	-2.6	-2.8	-1.2	-4.2	-14.7	-2.9	-5.0	2.9	2.1

¹ Total gross energy consumption per constant dollar of GNP.² Excludes petrochemical feedstocks.Source: U.S. Bureau of Industrial Economics, *Industrial Economics Review*, Summer 1980.

NO. 1426. PERCENT SHARE OF VALUE ADDED BY MANUFACTURE FOR LARGEST COMPANIES IN MANUFACTURING, 1947 TO 1977, AND OF EMPLOYEES AND SHIPMENTS, 1963 TO 1977

[Percent of total manufacturing. Companies ranked on value added by manufacture; companies in each group are not identical for all years. See also *Historical Statistics, Colonial Times to 1970*, series P 177-180]

ITEM	VALUE ADDED							EMPLOYMENT ¹			SHIPMENTS ²		
	1947	1954	1963	1967	1972	1977	1963	1972	1977	1963	1972	1977	
Largest 50 companies.....	17	23	25	25	25	18	19	19	24	25	24	25	
Largest 100 companies.....	23	30	33	33	33	25	25	26	33	34	33	35	
Largest 150 companies.....	27	34	37	38	39	30	29	31	40	38	39	41	
Largest 200 companies.....	30	37	41	42	43	34	32	35	44	42	43	45	

¹ Includes central administrative offices and auxiliaries.

² See footnote 7, table 1405.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977, Concentration Ratios in Manufacturing*, MC77-SR-9.

NO. 1427. PERCENT OF SHIPMENTS ACCOUNTED FOR BY LARGE MANUFACTURING COMPANIES, SELECTED INDUSTRIES: 1963 TO 1977

[Prior to 1967, excludes Alaska and Hawaii. First 32 industries (excluding those classified as "Miscellaneous" or "Not elsewhere classified") as determined by value added by manufacture in 1972 of \$2 billion or more. Industry codes and descriptions are based on the 1972 Standard Industrial Classification Manual (SIC), see text, p. 776. Determination of company affiliation of establishment is based on census reports and publicly available records. "Largest" companies are determined by each company's value added by manufacture in the specified industry. Industries in the "not elsewhere classified" category are omitted, regardless of their value added]

Industry code ¹	INDUSTRY	Year	Number of companies	Value added by manufacture ² (mil. dol.)	Total value of shipments ³ (mil. dol.)	PERCENT OF SHIPMENTS, RANKED BY COMPANY SIZE			
						4 largest	8 largest	20 largest	50 largest
3711	Motor vehicles and car bodies.....	1967.....	107	7,354	27,296	92	98	99+	99+
		1972.....	165	11,783	42,908	93	99	99+	99+
		1977.....	254	18,724	76,518	93	99	99+	99+
3312	Blast furnaces and steel mills.....	1967.....	200	8,910	19,621	48	66	83	96
		1972.....	241	10,305	23,947	45	65	84	96
		1977.....	395	15,332	41,998	45	65	84	95
3714	Motor vehicle parts and accessories.....	1967.....	1,424	5,712	11,624	60	68	78	87
		1972.....	1,748	9,165	16,334	61	69	78	86
		1977.....	2,194	16,264	35,751	62	70	79	86
2711	Newspapers.....	1967.....	7,589	4,184	5,757	16	25	40	56
		1972.....	7,461	6,220	8,263	17	28	43	60
		1977.....	7,821	9,519	13,056	19	31	45	62
3662	Radio and TV communications equipment.....	1967.....	1,111	5,456	8,556	22	37	61	81
		1972.....	1,524	5,803	9,140	19	33	58	77
		1977.....	1,873	9,938	14,886	20	33	57	73
2834	Pharmaceutical preparations.....	1967.....	791	3,720	4,696	24	40	73	90
		1972.....	680	5,640	7,150	26	44	75	91
		1977.....	655	6,214	11,459	24	43	73	91
3721	Aircraft.....	1967.....	91	4,548	4,11,080	69	89	99	99+
		1972.....	141	5,083	8,779	66	86	99	99+
		1977.....	151	8,134	14,834	59	81	99	99+
2911	Petroleum refining.....	1967.....	276	4,745	20,294	33	57	84	96
		1972.....	152	4,595	25,921	31	56	84	95
		1977.....	192	14,424	91,689	30	53	81	94
3861	Photographic equipment and supplies.....	1967.....	505	2,481	3,665	69	81	89	95
		1972.....	555	4,088	5,624	74	85	92	95
		1977.....	702	6,732	9,945	72	86	90	94
2051	Bread, cake, and related products.....	1967.....	3,445	2,753	5,103	26	38	47	58
		1972.....	2,800	3,516	6,132	29	39	50	62
		1977.....	2,549	5,370	9,275	33	40	54	68
3585	Refrigeration and heating equipment.....	1967.....	624	1,480	(NA)	31	45	62	78
		1972.....	655	3,517	7,084	40	53	70	85
		1977.....	731	4,469	9,638	41	51	67	82
3573	Electronic computing equipment.....	1967.....	134	1,926	3,771	68	83	92	98
		1972.....	518	3,419	6,471	51	63	78	90
		1977.....	808	7,624	12,924	44	55	71	85
2752	Commercial printing, lithographic.....	1967.....	6,718	1,898	3,139	5	8	15	25
		1972.....	8,160	3,169	5,125	4	8	15	24
		1977.....	10,964	5,338	9,360	6	10	17	26
3531	Construction machinery.....	1967.....	578	2,506	4,138	41	53	72	85
		1972.....	644	3,131	6,091	43	54	72	86
		1977.....	807	5,744	12,629	47	59	75	86
3011	Tires and inner tubes.....	1967.....	119	1,823	3,734	70	88	97	100
		1972.....	136	3,071	5,747	73	90	98	99+
		1977.....	121	4,347	8,971	70	88	97	99+

See footnotes at end of table.

Manufactures

NO. 1427. PERCENT OF SHIPMENTS ACCOUNTED FOR BY LARGE MANUFACTURING COMPANIES,
SELECTED INDUSTRIES: 1963 TO 1977—Continued

[See headnote, p. 793]

Indus- try code ¹	INDUSTRY	Year	Num- ber of com- panies	Value added by manu- facture ² (mil. dol.)	Total value of ship- ments ³ (mil. dol.)	PERCENT OF SHIPMENTS, RANKED BY COMPANY SIZE			
						4 larg- est	8 larg- est	20 larg- est	50 larg- est
2011	Meatpacking plants.....	1963	2,833	1,908	12,435	31	40	49	60
		1967	2,529	2,221	15,576	26	39	49	61
		1972	2,291	2,968	23,003	22	37	51	66
		1977	2,404	4,010	31,208	19	37	49	62
3761	Guided missiles and space vehicles.....	1967	(NA)	3,339	4,641	(NA)	(NA)	(NA)	(NA)
		1972	23	2,949	4,124	62	88	(D)	100
		1977	20	3,565	5,314	84	94	100	(X)
2621	Papermills, exc. building paper.....	1963	186	1,857	3,825	26	42	63	85
		1967	203	2,356	4,844	26	43	65	86
		1972	194	2,809	6,385	24	40	66	88
		1977	171	5,407	12,613	23	42	70	92
2421	Sawmills and planing mills, general.....	1963	11,931	1,376	3,156	11	14	20	29
		1967	10,016	1,558	3,506	11	15	22	31
		1972	7,684	2,907	6,421	18	23	33	45
		1977	6,966	4,453	10,867	17	23	36	49
2844	Toilet preparations.....	1963	673	1,233	1,793	38	52	75	90
		1967	628	1,731	2,516	38	52	74	90
		1972	593	2,834	4,053	38	53	74	91
		1977	644	4,527	6,557	40	56	74	90
3465	Automotive stampings.....	1972	388	2,664	5,286	69	72	79	87
		1977	495	4,655	9,739	65	70	77	84
3661	Telephone, telegraph apparatus.....	1963	65	1,014	1,736	92	96	99	99+
		1967	82	1,537	2,591	92	96	99	99+
		1972	157	2,650	4,525	(D)	(D)	98	99+
		1977	208	4,192	7,858	(D)	89	94	98
2026	Fluid milk.....	1963	4,030	2,203	7,026	23	30	40	48
		1967	2,988	2,351	7,826	22	30	42	51
		1972	2,025	2,552	9,395	18	28	42	56
		1977	1,516	3,176	13,786	18	28	43	60
2086	Bottled and canned soft drinks.....	1963	3,569	1,233	2,211	12	17	24	34
		1967	3,057	1,679	3,173	13	20	28	38
		1972	2,273	2,337	5,454	14	21	32	44
		1977	1,758	4,085	10,007	15	22	36	50
3321	Gray iron foundries ⁵	1963	1,062	1,169	1,985	28	37	51	65
		1967	969	1,543	2,638	27	36	50	64
		1972	893	2,257	3,877	34	45	59	71
		1977	865	4,071	7,889	34	44	60	73
3523	Farm machinery and equipment.....	1963	1,481	(NA)	2,842	43	55	67	77
		1967	1,526	2,042	4,300	44	56	68	77
		1972	1,465	2,248	4,530	47	61	69	78
		1977	1,868	4,854	10,282	46	61	70	78
2111	Cigarettes.....	1963	7	6,1310	6,2655	80	100	(X)	(X)
		1967	8	6,1640	6,3045	81	100	(X)	(X)
		1972	7	6,2188	6,3745	(D)	(D)	(X)	(X)
		1977	8	6,3803	6,3777	(D)	(D)	(X)	(X)
2821	Plastics materials and resins.....	1972	193	2,161	4,478	26	41	65	90
		1977	221	4,143	10,818	22	37	60	87
2721	Periodicals.....	1963	2,562	1,349	2,296	28	42	59	73
		1967	2,430	1,869	3,096	24	37	56	72
		1972	2,451	2,110	3,511	26	38	54	69
		1977	2,860	3,763	6,057	22	35	52	67
2824	Organic fibers, noncellulosic.....	1963	14	922	1,403	94	99	100	(X)
		1967	22	1,252	2,033	84	94	(O)	100
		1972	36	2,040	3,639	74	91	99+	100
		1977	37	2,804	6,380	78	90	99	100
2841	Soap and other detergents.....	1963	641	1,137	2,128	72	80	88	93
		1967	599	1,404	2,593	70	78	86	92
		1972	577	2,039	3,394	62	74	85	92
		1977	554	2,868	5,671	59	71	82	89
2751	Commercial printing, letterpress.....	1963	11,979	(NA)	2,645	13	19	28	38
		1967	11,955	(NA)	3,256	14	21	29	39
		1972	13,040	2,015	3,306	14	19	26	35
		1977	14,375	2,441	4,284	14	19	25	31

D Withheld to avoid disclosure. NA Not available. X Not applicable. ¹ See headnote, p. 793. ² See footnote 6, table 1405. ³ See footnote 7, table 1405. ⁴ Value of work done reported instead of value of shipments; therefore, value added not adjusted for inventory change. ⁵ Includes foundries producing gray-iron castings for other plants of the same company. Accordingly, percentages do not reflect market shares in industry as such. ⁶ Value of production reported instead of value of shipments; therefore, formula for computing adjusted value added modified to include only changes in work-in-process inventories between beginning and end of year.

Beverage Industry

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No. 1428. BEVERAGE INDUSTRY—SUMMARY: 1965 TO 1978

YEAR AND ITEM	Unit	Total	Malt beverages	Malt	Wines, brandy, spirits	Distilled liquor, exc., brandy	Soft drinks (bottled, canned)	Flavoring, extracts, sirups
1965: Employees	1,000.....	210	60	2	6	19	114	9
Payroll	Mil. dol.	1,348	488	16	42	126	614	63
Value added by manufacture	Mil. dol.	4,152	1,360	51	167	713	1,373	488
Value of shipments	Mil. dol.	7,728	2,497	204	396	1,288	2,505	837
1970: Employees	1,000.....	228	57	2	9	21	129	11
Payroll	Mil. dol.	1,884	616	19	71	171	916	91
Value added by manufacture	Mil. dol.	6,144	2,028	58	258	887	2,121	792
Value of shipments	Mil. dol.	12,373	3,822	210	591	1,758	4,831	1,361
1975: Employees	1,000.....	204	47	2	11	16	117	11
Payroll	Mil. dol.	2,418	728	24	131	198	1,210	129
Value added by manufacture	Mil. dol.	8,110	2,008	122	500	1,056	3,321	1,103
Value of shipments	Mil. dol.	20,396	5,641	591	1,197	2,004	8,802	2,361
1977: Employees	1,000.....	195	44	2	9	16	114	11
Payroll	Mil. dol.	2,849	858	27	134	232	1,449	149
Value added by manufacture	Mil. dol.	8,901	2,602	101	510	1,150	4,085	1,453
Value of shipments	Mil. dol.	23,329	6,653	499	1,363	2,296	10,007	2,511
1978: Employees	1,000.....	200	46	2	10	16	115	12
Payroll	Mil. dol.	3,171	973	30	155	247	1,593	174
Value added by manufacture	Mil. dol.	11,333	2,991	103	558	1,325	4,627	1,730
Value of shipments	Mil. dol.	26,577	7,539	445	1,659	2,684	11,417	2,933

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, and *Annual Survey of Manufactures*.

No. 1429. ALCOHOLIC BEVERAGES—SUMMARY: 1960 TO 1980

[For years ending June 30 except, beginning 1977, ending Sept. 30. Includes Puerto Rico. Excludes imports. See *Historical Statistics, Colonial Times to 1970*, series P 235 for beer production, and P 236a for distilled spirits]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980
Beer: Breweries operated	Number	229	197	154	117	98	95	89	86	86
Production	Mil. bbl. ¹	95	108	135	158	181	170	176	184	192
Imports (Incl. ale, etc.) ²	(NA)	(NA)	(NA)	1.7	2.4	2.6	3.1	4.1	3.4	
Value of shipments (SIC 2082) ³	Mil. dol.	(NA)	2,470	3,822	5,641	6,025	6,653	7,539	8,353	(NA)
Tax-paid withdrawals	Mil. bbl. ¹	89	100	123	147	149	156	160	167	172
Stocks on hand, June 30	Mil. bbl. ¹	11	13	15	14	14	14	14	14	15
Per capita consumption ⁴	Gallons	24.0	25.5	26.6	32.8	31.2	32.3	33.1	34.0	(NA)
Of domestic output	Gallons	23.9	25.3	28.4	32.4	30.8	31.8	32.4	33.1	(NA)
Distilled spirits:										
Production facilities operated	Number	178	153	140	115	107	96	101	135	143
Warehouses operated	Number	241	268	274	241	233	222	220	210	200
Production, total ⁵	Mil. tax gal. ⁶	273	276	355	278	234	225	268	246	236
Whisky	Mil. tax gal. ⁶	150	118	160	50	79	82	71	104	87
Tax-paid withdrawals, total ⁶	Mil. tax gal. ⁶	178	205	256	295	304	296	321	318	330
Whisky	Mil. tax gal. ⁶	84	90	112	137	135	128	136	125	42
Stocks on hand, June 30, total ⁵	Mil. tax gal. ⁶	932	990	1,091	836	782	726	670	659	696
Whisky	Mil. tax gal. ⁶	814	841	960	780	723	668	611	596	566
Bottled for consumption, total	Mil. wine gal. ⁹	204	244	312	357	369	361	390	379	391
Whisky	Mil. wine gal. ⁹	147	161	192	182	179	166	170	166	165
Per capita consumption ⁴	Wine gal. ⁹	1.87	2.13	2.61	2.49	2.11	2.67	2.78	2.70	(NA)
Of domestic output	Wine gal. ⁹	1.54	1.66	1.91	1.75	2.00	1.93	2.02	1.96	(NA)
Still wines: Production ¹⁰	Mil. wine gal. ⁹	511	565	713	782	768	771	731	739	982
Tax-paid withdrawals	Mil. wine gal. ⁹	148	163	204	287	303	306	313	326	340
Stocks on hand, June 30 ¹¹	Mil. wine gal. ⁹	143	157	207	325	325	392	431	485	486
Per capita consumption ⁴	Wine gal. ⁹	1.36	1.44	1.70	2.20	2.40	2.45	2.54	2.60	(NA)
Of domestic output	Wine gal. ⁹	1.28	1.32	1.52	1.96	1.95	2.35	2.01	2.02	(NA)
Effervescent wines: ¹³										
Production	Mil. wine gal. ⁹	4.1	6.4	20.0	18.0	21.2	23.8	24.4	26.8	
Tax-paid withdrawals	Mil. wine gal. ⁹	3.3	5.7	17.1	17.6	18.8	20.3	21.2	22.1	24.1
Stocks on hand, June 30	Mil. wine gal. ⁹	2.7	3.6	8.1	9.0	9.4	10.4	11.4	12.1	11.9
Per capita consumption ⁴	Wine gal. ⁹ .....	.04	.06	.15	.13	.14	.16	.15	.15	(NA)
Of domestic output	Wine gal. ⁹ .....	.03	.05	.13	.12	.12	.14	.13	.12	

NA Not available. ¹ Barrels of 31 wine gallons (see footnote 9). ² Source: U.S. Bureau of Census, *Imports for Consumption, General Imports*, FT 246. ³ Source: U.S. Bureau of Census, *Census of Manufactures, 1977*, and *Annual Survey of Manufactures*. ⁴ Source: U.S. Dept. of Commerce, Bureau of Industrial Economics. Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. ⁵ Excludes alcohol produced for industrial use. ⁶ A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon; for spirits of less than 100 proof to the wine gallon. (See footnotes 7 and 9.) ⁷ A proof gallon is the alcoholic equivalent of a U.S. gallon at 60°F, containing 50 percent of ethyl alcohol by volume. ⁸ Includes ethyl alcohol. ⁹ A wine gallon is the U.S. gallon equivalent to the volume of 231 cubic inches. ¹⁰ Production represents total amount removed from fermenters, including distilling material, and, beginning 1970, includes increase after fermentation (by amelioration, sweetening, and addition of wine spirits). In 1975, 359 million gallons of distilling materials were produced; 1976, 343 million gal.; 1977, 347 million gal.; 1978, 256 mil. gal.; 1979, 259 mil. gal.; and 1980, 184 mil. gal. ¹¹ Includes special natural wines. ¹² Excludes distilling materials. ¹³ Includes champagne, other effervescent wines, and artificially carbonated wines.

Source: Except as noted, U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual.

Manufactures

No. 1430. TOBACCO PRODUCTS—PRODUCTION AND CONSUMPTION: 1960 TO 1980

[Production data are for years ending June 30. Excludes cigars produced in customs bonded manufacturing warehouses. See also *Historical Statistics, Colonial Times to 1970*, series P 239-241]

ITEM	Unit	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
Production:												
Cigarettes ¹	Billions	508	562	562	616	652	627	688	673	688	707	702
Cigars ¹	Billions	6.9	8.9	8.0	11.4	8.7	8.3	6.7	5.8	5.6	5.1	4.9
Tobacco ²	Mil. lb.	176	169	164	149	152	155	153	155	156	156	163
Per capita consumption: ³												
All products	Lb. ⁴	11.8	11.5	9.6	9.5	9.4	9.1	8.7	8.5	8.1	8.3	8.2
Cigarettes	1,000	4.2	4.3	4.0	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.9
Weight	Lb. ⁴	9.84	9.37	7.78	7.92	7.90	7.73	7.35	7.21	6.89	7.13	7.06
Number	61	70	60	49	44	39	36	33	30	27	25	
Weight	Lb. ⁴	1.18	1.24	1.00	.77	.70	.63	.57	.54	.50	.44	.41
Tobacco ²	Lb. ⁴	.99	.88	.83	.75	.75	.72	.73	.70	.68	.69	.69

¹ Large and small. Source: U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual.

² Smoking and chewing tobaccos and snuff. Source: U.S. Dept. of Agriculture, Agricultural Marketing Service, *Manufacture and Sales of Snuff, Smoking, and Chewing Tobacco*, quarterly. ³ Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. 1980 data preliminary. ⁴ Unstemmed processing weight equivalent. ⁵ Weighting over 3 pounds per 1,000.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation*, quarterly.

No. 1431. MILL CONSUMPTION OF NATURAL AND MANMADE FIBERS: 1960 TO 1980

[In millions of pounds, except per capita. Per capita figures based on U.S. Bureau of the Census population estimates as of July 1, including Armed Forces abroad. See *Historical Statistics, Colonial Times to 1970*, series P 229 and P 230, for wool and silk]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
Cotton, total ²	4,234	4,522	3,854	3,658	3,309	3,027	3,414	3,170	3,041	3,077	3,036
Per capita (lb.)	23.4	23.2	18.8	17.4	15.6	14.2	15.9	14.6	13.9	14.0	13.6
Wool, total ³	411	387	240	151	93	110	122	108	115	117	123
Per capita (lb.)	2.3	2.0	1.2	.7	.4	.5	.6	.5	.5	.5	.6
Flax, total	5	8	6	7	7	3	4	3	4	5	2
Silk, total	7	6	2	3	3	1	3	2	2	2	1
Manmade fibers: ⁴											
Rayon, acetate, total	1,055	1,550	1,414	1,390	1,111	801	855	862	871	823	733
Per capita (lb.)	5.8	8.0	6.9	6.6	5.2	3.8	4.0	4.0	4.0	3.7	3.3
Noncellulosic, total	762	1,962	4,086	2,725	6,589	6,615	7,198	8,026	8,357	8,621	8,051
Per capita (lb.)	4.2	10.1	19.9	34.6	31.1	31.0	33.4	37.0	38.2	38.3	35.4

¹ Preliminary. ² Reported by U.S. Bureau of the Census. For American cotton, tare as reported by Crop Reporting Board is deducted. For foreign cotton, 15 pounds deducted, 1950-1965; 20 pounds thereafter. ³ Reported by U.S. Bureau of the Census. Excludes consumption in cotton and other spinning systems and consumption in batting and felt manufacture. ⁴ From *Textile Organon*. Represents domestic shipments plus imports for consumption. Includes textile glass-fiber and producers waste consumed at mills.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Cotton and Wool Situation*, April 1981.

No. 1432. WOOL—PRODUCTION, PRICE, AND SUPPLY: 1960 TO 1980

[In millions of pounds, except as indicated. For 1960 and for wool consumed in manufacturing, excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series K 559-560, for shorn wool production and price, and series P 229, for wool consumed in manufacturing]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
Stocks of all wool, Jan. ²	151	103	102	53	53	48	42	42	49	45
Sheep and lambs shorn (mil.)	31	24	19	16	14	14	13	13	13	13
Weight per fleece (lb.)	8.5	8.5	8.4	8.2	8.3	8.2	8.1	8.1	8.0	8.0
Shorn wool production (grease basis)	265	201	162	131	120	111	107	103	105	106
Price per pound ³ (cents)	42.0	47.1	35.4	59.2	44.7	65.7	72.0	74.5	86.3	88.1
Total wool production (grease basis)	299	225	177	137	125	116	110	104	106	107
Wool, clean basis: Total production	151	113	88	74	67	62	58	55	56	56
Imports of dutiable wool ⁴	74	153	80	12	17	38	34	27	20	30
Imports of duty free wool ⁴	154	109	73	15	17	19	19	23	22	26
Total new supply ⁵	530	488	343	154	154	167	153	147	147	157
Consumed in manufacturing ⁶	411	387	240	94	110	122	108	115	117	123
Apparel class ⁷	246	275	164	75	94	107	95	102	106	114
Carpet class	165	112	77	19	16	15	13	13	11	9

¹ Preliminary. ² Scoured basis. ³ Weighted season average price received by farmers, 1960, April-March marketing season, thereafter, calendar year. ⁴ Imports for consumption. ⁵ Production, imports, and stock of wool Jan. 1. ⁶ Scoured wool, plus greasy wool reduced to scoured basis. ⁷ Includes raw wool consumed on woolen and worsted systems only.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Agricultural Statistics*, annual, and *Cotton and Wool Situation*. Imports from U.S. Bureau of the Census.

No. 1433. RAW COTTON—SPINDLES, CONSUMPTION, AND STOCKS: 1950 TO 1980

[For years ending July 31. Excludes Alaska and Hawaii. Consumption and stocks are expressed in running bales, counting round as half bales, except foreign cotton which is in equivalent 500-pound bales. See *Historical Statistics, Colonial Times to 1970*, series P 228, for total cotton consumed including linters]

ITEM	Unit	1950	1955	1960	1965	1970	1975	1976	1977	1978	1979	1980
Cotton systems spindle:												
Total in place ¹	Million	23.0	22.3	20.0	19.3	19.9	18.3	18.0	17.8	17.5	17.4	17.1
Total active ²	Million	21.8	20.7	19.2	18.8	19.1	16.8	17.0	16.8	16.3	16.3	16.0
Spindle hours ³	Billion	109	113	113	102	74	44	51	45	42	42	42
Cotton consumed, total ⁴	Mil. bales	8.9	8.8	9.0	9.2	8.0	5.6	7.0	6.5	6.2	6.1	6.0
Cotton stocks, end of year ⁵	Mil. bales	6.5	11.0	7.3	14.1	5.4	5.2	3.4	2.8	4.9	3.5	3.0

¹ All spindles in place regardless of fiber spun. ² Active last day of year, regardless of type of fiber spun. On August 2, 1980, there were 6,159,000 spindles active on cotton, 9,825,000 on manmade and other fibers and blends, and 1,162,000 idle.

³ Consuming 100 percent cotton. ⁴ Excludes linters. Includes foreign and domestic cotton. ⁵ Excludes linters. Includes stocks at public storage and compresses.

Source: U.S. Bureau of the Census, *Cotton Production and Distribution*, annual, and *Current Industrial Reports*, series M22P.

No. 1434. BROADWOVEN GRAY AND FINISHED FABRICS—PRODUCTION, BY TYPE: 1960 TO 1979

[In billions of linear yards. Fabrics classified by primary fiber content]

PRODUCT	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Broadwoven gray fabrics, total	12.1	13.4	11.5	11.3	10.7	9.5	10.9	10.7	10.8	10.6
Cotton fabrics ¹	9.4	9.2	6.2	5.1	4.7	4.1	4.7	4.4	4.0	3.9
Sheeting, allied coarse, medium yarn fabrics	2.5	2.6	1.8	1.3	1.1	.9	.9	.7	.7	.6
Print cloth yarn fabrics	3.3	3.1	2.4	2.0	1.9	1.5	1.8	1.7	1.5	1.4
Manmade fiber fabrics ¹	(NA)	3.9	5.0	6.1	5.9	5.3	6.1	6.2	6.7	6.6
100 percent filament yarn	(NA)	1.6	1.5	1.9	2.0	1.7	2.0	2.0	2.3	2.4
100 percent spun yarn ²	(NA)	1.5	2.9	3.5	3.3	3.0	3.5	3.6	3.7	3.6
Polyester blends with cotton	(NA)	.7	2.0	2.5	2.4	2.4	2.7	2.7	2.6	2.5
Woolen and worsted ³	.3	.3	.2	.1	(2)	(2)	(2)	.1	.1	.1
Broadwoven finished fabrics, total	9.6	11.0	9.7	9.7	8.4	8.0	8.3	8.2	8.5	8.1
Cotton fabric	7.4	7.7	5.2	4.5	3.6	3.5	3.5	3.3	3.3	3.1
Manmade fiber fabrics and silk ⁴	2.1	3.3	4.5	5.2	4.7	4.6	4.8	4.9	5.3	5.0
Bleached and white finished ⁵	5.0	6.4	6.1	5.8	5.2	4.7	5.1	5.1	5.4	2.6
Cotton	3.2	3.5	2.4	2.0	1.8	1.6	1.6	1.6	1.6	1.5
Manmade fiber fabrics and silk ^{4,5}	1.8	2.8	3.7	3.8	3.4	3.1	3.5	3.5	3.8	1.1
Plain dyed and finished cottons	2.5	2.7	1.8	1.6	1.2	1.2	1.3	1.2	1.2	1.1
Printed and finished goods ⁶	2.1	1.9	1.9	2.4	1.9	2.1	2.0	1.9	1.9	1.6

NA Not available. Z Less than 50 million. ¹ Excludes fabrics not shown separately. ² Except blanketeting. ³ Except woven felts; in terms of finished yardage. ⁴ Fabrics made of polyester, rayon, acetate, nylon, silk, glass, acrylic fibers, etc. ⁵ Includes plain dyed manmade fibers prior to 1979. ⁶ Includes roller, screen, and block printed; excludes printed towels, tablecloths, flock, plisse, moire, or embossed.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-22S and MQ-22T.

No. 1435. U.S. IMPORTS AND EXPORTS OF TEXTILES AND APPAREL PRODUCTS: 1965 TO 1980

[In millions of dollars. Excludes glassfibers, linoleum, rubber and leather apparel and clothing donated for charity. Minus sign (—) denotes deficit]

ITEM	1965	1970	1975	1976	1977	1978	1979	1980
Exports	613	733	1,873	2,289	2,381	2,624	3,801	4,470
Imports	1,280	2,275	9,530	4,883	5,415	7,045	7,229	8,177
Trade balance	-667	-1,542	-1,657	-2,583	-3,033	-4,420	-3,429	-3,707
Textile mill products	510	578	1,533	1,855	1,857	2,073	3,029	3,484
Yarn and thread	119	133	271	336	378	330	590	642
Cotton broad woven fabric	108	112	376	499	438	426	626	722
Other broad woven and knit fabric	135	151	387	423	389	433	678	734
Narrow fabric	21	15	32	36	39	84	95	106
Special fabric	64	89	194	243	252	406	504	738
Made-up articles	52	53	185	214	242	252	329	261
Textile floor coverings	11	25	88	106	109	143	207	281
Apparel	103	155	341	434	524	551	772	986

Source: U.S. Bureau of the Census, *U.S. General Imports, Schedule A Commodity by Country*, Report FT135, and *U.S. Exports, Schedule E Commodity by Country*, Report FT410, monthly.

No. 1436. MALE AND FEMALE CLOTHING: 1960 TO 1980

[See also *Historical Statistics, Colonial Times to 1970*, series P 242 and 248]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979 ¹	1980 ¹
MALE CLOTHING											
Men's suits ²	Mil. units	21.3	21.9	17.7	16.8	13.7	16.2	17.3	17.5	15.9	14.5
Boys' suits ³	Mil. units	5.1	6.6	4.7	2.9	2.5	2.5	3.6	4.7	4.4	(NA)
Separate trousers (men's)	Mil. units	100.3	142.3	173.6	156.6	118.9	132.2	128.8	122.7	124.7	122.7
Separate coats ⁴	Mil. units	14.2	16.3	16.1	21.1	13.1	13.8	17.8	16.1	17.0	(NA)
Men's and youths'	Mil. units	10.2	12.3	11.8	18.6	11.5	12.9	16.6	15.0	15.6	18.0
Boys'	Mil. units	4.0	4.0	4.3	2.5	1.6	.9	1.2	1.1	1.4	(NA)
Woven shirts, men's ⁵	Mil. doz.	23.2	28.2	20.8	20.4	17.4	19.5	18.2	15.0	14.4	13.6
Casual slacks	Mil. units	(NA)	(NA)	123.6	207.6	153.3	221.3	287.5	99.5	95.9	71.8
Jeans	Mil. units	(NA)	(NA)	3.8	4.0	3.4	2.9	3.7	4.0	3.8	3.6
Work shirts (incl. flannels)	Mil. doz.	3.8	4.0	4.1	3.4	2.9	3.7	4.0	3.8	3.6	3.6
FEMALE CLOTHING											
Blouses	Mil. doz.	15.6	19.0	13.3	17.2	18.3	19.7	24.7	25.6	24.9	25.8
Dresses	Mil. units	253	281	251	190	174	171	193	189.7	169.7	168.4
Suits ⁷	Mil. units	9.4	11.9	8.8	7.8	9.0	11.7	36.5	32.1	25.3	21.1
Slacks	Mil. doz.	3.6	7.1	9.4	18.6	18.3	18.3	18.6	12.4	12.1	(NA)
Jeans	Mil. doz.	8.3	8.9	6.9	4.4	4.3	4.9	5.4	4.4	5.1	(NA)
Skirts	Mil. doz.	21.0	19.1	17.0	20.5	18.4	20.7	19.0	18.9	17.4	19.2
Untrimmed coats	Mil. units	2.5	6.1	4.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Fur-trimmed coats	Mil. units	6.4	7.3	5.3	6.3	6.6	6.1	6.6	5.9	5.0	6.0
Knit outerwear: Sweaters	Mil. doz.	2.3	3.4	4.0	7.4	7.8	8.4	11.7	11.0	10.4	(NA)
Sport shirts	Mil. doz.	(NA)	(NA)								

NA Not available. ¹ Preliminary. ² Beginning 1975, excludes leisure suits. ³ Beginning 1970, includes uniform suits and coats. ⁴ Beginning 1975, excludes leisure coats. ⁵ Includes knit and woven dress and woven sport. ⁶ Beginning 1977, includes pant suits.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-23A, M-23B, and M-23H.

No. 1437. FOOTWEAR—PRODUCTION, SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION: 1960 TO 1980

[In millions of pairs, except as indicated. See *Historical Statistics, Colonial Times to 1970*, series P 260-261, for men's and women's shoes]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980 ¹
Apparent consumption	623.4	711.3	801.7	803.6	743.3	727.9	786.3	745.7	787.7	832.9	747.3
Production, shoes and slippers	600.0	626.2	562.3	490.0	453.0	413.1	422.5	391.1	416.9	398.4	394.6
Percent exported	.5	.4	.4	.7	.9	1.1	1.4	1.3	1.7	2.3	3.3
Value (bil. dol.)	2.2	2.5	2.9	3.0	3.2	3.1	3.5	2.3	3.8	4.3	4.5
Imports	26.6	87.6	241.5	317.2	294.3	319.4	369.8	360.0	375.7	443.6	365.7
Percent of total consumption	4.3	12.3	30.1	39.5	39.6	43.9	47.0	48.3	47.7	53.3	48.9
Shoes, sandals, playshoes (consumption)	521.0	533.2	460.8	396.3	365.0	339.1	355.5	332.0	335.6	320.6	320.8
Men's, youths', boys'	124.7	143.8	143.5	140.8	127.9	121.2	128.1	116.8	116.8	103.8	105.5
Women's	279.5	280.0	230.2	179.3	167.1	154.1	155.9	145.0	145.4	145.9	143.6
Misses	40.2	36.5	23.2	17.5	15.8	13.1	15.6	13.2	13.1	13.7	11.8
Children's	32.7	33.5	25.9	23.8	20.6	18.5	21.0	18.3	16.2	13.9	13.1
Infants' and babies'	36.6	32.5	29.0	25.2	23.8	24.2	24.9	22.7	23.2	22.8	22.1
Athletic shoes	7.0	7.0	9.0	9.6	9.9	7.9	10.1	16.0	20.9	20.5	24.9

¹ Preliminary. ² Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series M31A.

No. 1438. HOSIERY—PRODUCTION, BY TYPE: 1960 TO 1980

[In millions of dozens of pairs. Excludes Alaska and Hawaii. Excludes slipper socks]

TYPE	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
All types	154.9	198.2	244.1	227.4	216.4	224.8	253.9	257.4	263.8	294.5	280.2
Women's	65.0	92.7	125.7	99.9	88.7	97.7	113.8	110.6	110.9	141.7	139.6
Pantyhose	(NA)	(NA)	88.4	75.0	60.7	61.3	70.4	68.7	74.0	91.0	96.0
Stockings	64.9	92.3	36.3	15.6	13.2	8.9	7.6	6.6	6.5	6.0	5.2
Knee-highs and anklets (sheer)	.2	.4	1.0	9.3	15.5	27.6	35.9	35.3	30.5	44.7	38.4
Infants' and children's ¹	17.8	18.6	20.6	22.7	22.1	22.0	27.7	28.4	29.8	32.2	28.8
Anklets	17.1	17.4	15.3	17.8	17.3	17.3	21.3	21.3	22.1	22.1	19.3
Girls', boys', and women's ²	20.8	35.2	33.6	41.2	41.4	41.9	46.4	49.0	46.7	48.4	48.8
Anklets	19.4	28.9	20.4	22.2	20.7	20.7	21.3	20.2	18.5	19.6	12.5
Knee-highs	1.5	5.5	10.4	15.0	16.1	16.8	19.4	21.9	20.6	22.2	24.3
Men's (sizes 10 and up)	51.2	51.6	84.2	63.7	64.2	63.2	66.0	69.3	76.4	72.2	63.1
Anklets	39.0	43.5	54.0	52.6	53.8	51.1	51.3	50.5	51.3	43.3	27.6
Mid-calf and knee-highs	(NA)	8.1	10.0	10.8	10.3	11.9	14.5	18.6	24.7	28.5	35.2

NA Not available. ¹ Sizes 3-8½. Includes knee-highs. ² Sizes 8-11. Includes foot socks not shown separately.

Source: National Association of Hosiery Manufacturers, Charlotte, N.C., *Hosiery Statistics*, annual. (Copyright.)

NO. 1439. CHEMICALS AND ALLIED PRODUCTS—VALUE OF SHIPMENTS: 1965 TO 1978

[In millions of dollars. "N.e.c." means not elsewhere classified]

PRODUCT	1965	1970	1972	1973	1974	1975	1976	1977	1978
Total ¹	37,479	49,355	57,350	65,008	83,801	89,848	89,721	118,154	129,850
Alkalies and chlorine	575	666	806	876	1,232	1,873	1,866	1,786	1,746
Industrial gases	495	664	659	721	793	906	1,049	1,199	1,408
Cyclic crudes and intermediates	1,452	2,014	2,332	2,764	4,141	4,202	5,231	5,514	5,515
Inorganic pigments	549	683	756	893	1,196	964	1,267	1,339	1,381
Industrial organic chemicals, n.e.c.	5,023	6,470	7,466	8,548	12,743	14,988	16,794	19,378	21,214
Misc. end-use chems. & chem. prods. exc. urea	4,006	4,897	5,900	6,582	9,828	10,901	12,977	2,071	1,851
Misc. cyclic & acrylic chemicals & chem. prods.								13,425	14,915
Industrial inorganic chemicals, n.e.c.	3,339	4,109	2,903	2,314	2,4609	2,675	2,751	2,692	2,797
Potassium and sodium compounds	547	543	503	583	900	910	1,074	1,103	1,206
Plastics materials and resins	3,471	4,562	4,496	5,878	8,444	7,747	10,455	12,181	13,783
Synthetic rubber (vulcanizable elastomers)	959	1,114	1,289	1,397	1,862	1,820	2,204	2,354	2,826
Cellulosic manmade fibers	741	665	685	744	898	781	814	851	945
Organic fibers, noncellulosic	1,833	2,468	2,949	3,854	3,867	4,035	4,414	5,472	5,912
Biological products	172	351	495	559	684	788	874	1,068	1,216
Medicinals and botanicals	464	747	794	986	1,467	1,499	1,774	2,206	2,406
Pharmaceutical preparations	3,621	5,264	6,295	6,841	7,463	8,247	9,217	9,640	10,711
Soaps and detergents	1,956	2,509	2,852	3,033	3,500	3,963	4,490	5,000	5,551
Polishes and sanitation goods	890	1,306	1,736	1,844	1,980	2,196	2,432	2,669	3,029
Specialty cleaning and sanitation products	448	755	889	937	1,071	1,197	1,316	1,478	1,625
Toilet preparations ¹	2,285	3,770	4,247	4,573	4,797	5,178	5,883	6,394	6,792
Hair preparations (incl. shampoos)	706	1,034	1,065	1,100	1,129	1,306	1,408	1,475	1,466
Perfumes, toilet water, colognes	264	536	677	716	755	918	1,007	1,097	1,250
Dentifrices, mouthwashes, gargles, etc	259	468	485	(s)	535	538	628	660	733
Paints and allied products	2,566	3,019	3,520	3,914	4,578	4,672	5,415	6,123	6,571
Fertilizers	1,434	1,394	2,642	2,303	2,5203	2,6588	2,026	2,645	2,6931
Adhesives and sealants	446	580	2,954	1,152	1,404	1,464	1,655	1,873	2,075
Explosives	200	213	238	247	359	450	426	426	456
Printing ink	324	389	498	528	623	698	765	904	990

¹ S Does not meet publication standards. ² Includes products not shown separately. ³ Excludes gelatin. ⁴ Synthetic ammonia, nitric acid, and ammonium compounds included in fertilizers.

Source: U.S. Bureau of the Census, *Census of Manufactures*, 1972, and 1977, and *Annual Survey of Manufactures*.

NO. 1440. CHEMICALS—PRODUCTION, BY KIND: 1979

[In thousands of short tons, except as indicated. Data for chemicals shown are restricted to a selected group composed for the most part of inorganic chemicals and related products which are sufficiently important economically to justify publication. Includes data for chemicals produced by Tennessee Valley Authority, and by Government-owned privately operated plants. See *Historical Statistics, Colonial Times to 1970*, series P 248, 249, and 251, for sodium hydroxide, ammonia (anhydrous), and sulfuric acid, respectively.]

CHEMICAL	1979	CHEMICAL	1979
Acetylene ¹ (mil. cu. ft.)	5,741	Nitric acid (100% HNO ₃)	8,465
Aluminum chloride:		Nitrogen, high purity (99.5-100%) (bil. cu. ft.)	427
Anhydrous (100% AlCl ₃)	73	Nitrogen solutions (100% N) (bil. cu. ft.)	2,245
Liquid and crystal (32° Bé)	20	Oxygen, high purity ⁷ (bil. cu. ft.)	457
Aluminum sulfate (17% Al ₂ O ₃) ²	1,314	Oxygen, lower purity ⁹ (bil. cu. ft.)	
Commercial iron free	117	Phosphoric acid (100% P ₂ O ₅)	10,817
Ammonia, synthetic anhydrous	18,523	Phosphorus (white and red)	460
Ammonium nitrate, original solution (100% NH ₄ NO ₃)	7,543	Potassium hydroxide (88-92% KOH)	264
Ammonium sulfate, synthetic (technical) ²	2,363	Potassium pyrophosphate (100% K ₂ P ₂ O ₇)	42
Argon, refined (mil. cu. ft.)	8,039	Sodium bichromate and chromate	157
Calcium carbide (commercial)	269	Sodium chloride (100% NaClO ₂)	269
Calcium phosphate dibasic (100% CaHPO ₄)	834	Sodium hydroxide (caustic soda):	
Carbon, activated ⁴	97	Liquid (100% NaOH)	12,772
Carbon dioxide (liquid, gas, and solid) ⁵	3,124	Sodium silicate (soluble silicate glass, liquid and solid) (anhydrous) ¹⁰	770
Chlorine, gas ⁶	12,228	Sodium sulfate:	
Chrome, yellow and orange (C.P.)	34	High purity (more than 99% Na ₂ SO ₄)	509
Chrome orange, molybdate (C.P.)	15	Glauber's salt (100% Na ₂ SO ₄ -10H ₂ O)	606
Hydrochloric acid (100% HCl)	3,090	Lower purity (99% or less Na ₂ SO ₄)	43
Hydrofluoric acid, anhydrous and aqueous (100% HF) ...	178	Sulfuric acid gross ¹¹ (mil. sh. tons)	741
Hydrogen, high purity ⁷ (billion cu. ft.)	99	Titanium dioxide ¹² (100% TiO ₂)	
Hydrogen, lower purity ^{8,9} (billion cu. ft.)	113	Excludes quantities produced and consumed in making meta-, ortho-, and sesquicarbonates.	

¹ Excludes quantities of acetylene produced and consumed by railroad shops, shipyards, and small establishments using portable generators. ² Excludes quantities produced and consumed by municipalities. ³ Excludes byproduct coke-oven production. ⁴ Includes data for decolorizing and water purification grades only. ⁵ Excludes quantities produced and consumed in plants manufacturing soda ash or urea. ⁶ Total production, including quantities liquefied for use, storage, or shipment. ⁷ 99.5-100%. ⁸ Excludes quantities produced and consumed in manufacture of methanol and ammonia, produced by ammonia dissociation process, or disposed of as waste, e.g. vented, used as fuel, etc. Excludes amounts of hydrogen produced in petroleum refineries for captive use. ⁹ Less than 99.5%. ¹⁰ Excludes amounts produced and consumed in making meta-, ortho-, and sesquicarbonates. ¹¹ 100% H₂SO₄. Includes sulfuric acid of oleum grades. ¹² Composite and pure.

Source: U.S. Bureau of the Census, compiled from manufacturers reports and published in *Current Industrial Reports*, series MA28A, MA28B, and MA28C.

NO. 1441. PETROLEUM AND COAL PRODUCTS—VALUE OF PRODUCTS SHIPMENTS AND INVENTORIES: 1963 TO 1978

[In millions of dollars. See also table 1320]

ITEM AND PRODUCT	1963	1967	1972	1974	1975	1976	1977	1978
Shipments, total	16,864	20,821	27,349	55,955	66,458	78,844	93,947	100,349
Petroleum refining ¹	15,558	19,249	24,773	52,225	62,481	74,348	88,590	93,745
Gasoline	7,978	9,844	13,030	24,946	31,502	36,841	41,840	45,629
Jet fuel	633	1,100	1,372	2,935	3,702	4,229	5,359	5,720
Kerosene	375	431	372	736	791	828	893	797
Light fuel oil	2,896	3,306	4,408	9,761	11,298	13,554	17,509	17,664
Heavy oil	622	566	1,107	3,643	4,626	5,243	6,794	6,600
Liquified refinery gases	703	1,136	1,153	3,026	2,910	3,604	4,501	4,823
Lubricating oils and greases	785	884	895	1,502	1,443	1,639	1,719	1,847
Unfinished oils and lubricating oils base stock	526	613	734	1,420	1,613	2,195	2,888	3,133
Asphalt	361	424	672	1,489	1,541	1,584	2,217	2,131
Other petroleum products, and refinery products	681	945	1,031	2,767	3,056	4,652	4,870	5,501
Paving mixtures and blocks	403	530	893	1,167	1,203	1,229	1,519	1,831
Asphalt felts and coalings	408	519	902	1,367	1,483	1,700	1,829	2,387
Lubricating oils and greases not made in refining	426	443	642	1,005	1,059	1,216	1,514	1,787
Other	69	80	139	204	253	351	495	499
Inventories, total ²	1,818	2,030	2,223	4,101	4,751	5,213	5,656	5,498
Petroleum refining	1,696	1,904	2,002	3,770	4,395	4,802	5,196	4,983

¹ Petroleum refining by product class. ² Includes lubricating oils and greases from purchased materials. Inventories as of end of reporting year.

Source: U.S. Bureau of the Census, *Census of Manufactures*, 1977, MC 77-1-29A, and *Annual Survey of Manufactures*.

NO. 1442. RUBBER—NEW SUPPLY, DISTRIBUTION, AND STOCKS: 1960 TO 1979

[In thousands of long tons. 1960 excludes Alaska and Hawaii, except for imports and exports, which also include Puerto Rico. Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic comprises SBR (including weight of oil content), neoprene, butyl, and butadiene-acrylonitrile, all years; beginning 1965, also includes polyisobutylene, chlorosulfonated polyethylene, and polysulfide, silicone, acrylic, stereo, and fluorocarbon rubbers. Reclaimed comprises both natural and synthetic.]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
New supply	2,150	2,581	3,042	3,177	3,340	3,547	3,285	2,826	3,332	3,557	3,772	3,821
Domestic production ¹	1,729	2,094	2,398	2,440	2,611	2,768	2,492	2,077	2,495	2,600	2,830	2,895
Synthetic	1,436	1,813	2,197	2,241	2,417	2,568	2,358	1,958	2,387	2,481	2,705	2,769
Imports ²	420	487	644	737	729	779	793	749	836	957	943	927
Natural	411	445	550	613	618	643	682	658	714	793	771	769
Distribution	2,203	2,657	3,001	3,183	3,410	3,584	3,344	2,966	3,222	3,618	3,773	3,845
Domestic consumption ²	1,835	2,326	2,677	2,871	3,121	3,268	3,039	2,706	2,919	3,343	3,471	3,409
Synthetic	1,079	1,540	1,918	2,093	2,292	2,402	2,175	1,933	2,138	2,433	2,559	2,541
Exports ²	368	331	324	312	289	316	305	250	303	275	302	437
Synthetic	342	282	299	282	265	295	284	226	281	252	284	416
Stocks, end of year ²	359	442	645	643	632	629	644	528	642	582	606	649

¹ Includes reclaimed and synthetic.

² Natural, synthetic and reclaimed.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-30A.

NO. 1443. MISCELLANEOUS PLASTICS PRODUCTS—VALUE OF SHIPMENTS: 1975 TO 1979

[In millions of dollars. Excludes all products specifically assigned as primary to other industries such as converted flexible packaging, boats, toys, sporting goods, luggage, etc., and captive production of plastics by companies who ship products other than those classified in SIC industry 3078.]

PRODUCT	1975	1976	1977	1978	1979	PRODUCT	1975	1976	1977	1978	1979
Miscellaneous plastics products	15,533	18,679	23,879	27,165	30,829	Custom compounded purchased resins	352	447	700	868	1,018
Unsupported plastics film sheets, sheeting, rods, tubes, and other	2,701	3,318	3,978	4,590	5,294	Furniture components and furnishings	543	654	1,033	1,127	1,258
Laminated sheets, rods, and tubes	801	1,029	1,112	1,305	1,564	Packaging	2,051	2,369	2,730	3,063	3,698
Building and construction plastics products	1,339	1,628	2,696	3,006	3,473	Transportation	1,182	1,569	2,385	2,598	2,634
Regenerated cellulosic products, except rayon	473	574	389	357	354	Electrical and electronic	603	694	1,305	1,519	1,656
						Consumer, institutional and commercial fabricated plastics products	3,961	4,341	2,941	3,540	4,010

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-30D.

Iron and Steel—Pig Iron and Ferroalloys

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NO. 1444. IRON AND STEEL INDUSTRY—SUMMARY: 1960 TO 1980

[Reporting companies in 1980 represented 89 percent of raw steel production of entire industry. Represents the steel production activity of reporting companies. The user should recognize that many of these companies produce and sell products and services other than those related to the steel industry; therefore the financial data reported represents the total operations of the steel companies]

ITEM	Unit	1960	1965	1970	1972	1975	1976	1977	1978	1979	1980
Steel mill products, apparent supply	Mil. tons ¹	71.5	100.6	97.1	106.8	89.0	101.1	108.4	116.6	115.0	95.2
Net shipments	Mil. tons ¹	71.1	92.7	90.8	91.8	80.0	89.4	91.1	97.9	100.3	83.9
Exports	Mil. tons ¹	3.0	2.5	7.1	2.9	3.0	2.6	2.0	2.4	2.8	4.1
Imports	Mil. tons ¹	3.4	10.4	13.4	17.7	12.0	14.3	19.3	21.1	17.5	15.5
Percent of total supply	Percent	4.7	10.3	13.8	16.6	13.5	14.1	17.8	18.1	15.2	16.3
Scrap consumed	Mil. tons ¹	52.1	69.8	69.3	71.1	62.8	68.4	69.3	76.3	77.2	67.2
Scrap produced	Mil. tons ¹	33.3	46.7	46.4	44.7	40.1	43.5	42.4	44.8	45.4	38.9
Scrap inventory	Mil. tons ¹	7.7	6.0	6.5	7.1	7.6	8.6	7.7	6.9	7.4	6.9
Iron and steel products:											
Exports	Mil. tons ¹	4.1	3.1	8.1	3.6	4.1	3.9	3.2	3.5	3.8	5.1
Imports	Mil. tons ¹	4.1	12.0	14.6	19.6	13.9	16.3	21.7	24.1	20.3	17.9
Revenues	Bil. dol.	14.2	18.0	19.3	22.6	33.7	36.5	39.7	49.5	55.7	55.0
Net income	Bil. dol. ....	.8	1.1	.5	.8	1.6	1.3	(2)	1.2	1.2	1.6
Stockholders' equity ²	Bil. dol.	10.5	12.0	13.0	13.7	16.2	17.2	18.0	17.7	18.1	19.1
Total assets	Bil. dol.	15.9	18.8	23.6	24.8	30.4	33.6	35.4	38.4	40.2	42.8
Net fixed assets	Bil. dol.	8.8	10.0	14.1	14.6	16.9	18.7	19.7	20.3	21.3	22.3
Capital expenditures	Bil. dol.	1.5	1.8	1.7	1.2	3.2	3.3	2.9	2.5	3.3	3.3
Working capital ratio	Ratio	2.6	2.4	1.9	1.9	2.0	1.9	1.8	1.8	1.7	1.7
Inventories	Bil. dol.	3.0	3.2	1.1	4.1	5.4	6.4	5.9	6.5	6.9	6.7
Average employment	1,000	572	584	531	478	457	454	452	449	453	399
Hours worked	Million	1,087	1,421	1,220	1,225	855	877	876	892	894	758
Index of output ³	1967=100	82	101	101	113	108	114	116	125	124	120

Z Less than \$50 million. ¹ In millions of short tons. ² Prior to 1974, as of December 31; thereafter, as of January 1.

³ Index of output per work-hour, 1967=100.

Source: American Iron and Steel Institute, Washington, D.C., *Annual Statistical Report*. (Copyright.)

NO. 1445. PIG IRON AND FERROALLOYS—SUMMARY: 1960 TO 1980

[In millions of short tons, except furnaces]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
Blast furnaces, Jan. 1	263	239	228	216	206	199	196	193	179	169	176
Number in blast, Jan. 1	229	191	169	126	163	136	119	107	(NA)	(NA)	(NA)
Total production ¹	68.6	90.9	93.5	91.3	95.9	79.9	86.9	81.3	87.7	87.0	68.7
Basic	58.3	80.4	85.4	84.0	91.2	75.9	82.9	78.2	84.5	84.0	67.0
Bessemer ²	3.8	2.9	1.6	1.4	1.2	1.2	1.3	.4	.4	.2	.1
Foundry ³	2.2	2.3	2.3	2.0	1.5	1.3	1.5	1.6	1.9	1.5	.7
All other	4.4	5.2	3.2	4.0	2.0	1.5	1.2	1.1	.9	1.3	.9

NA Not available. ¹ Beginning 1974, includes blast furnace ferroalloys. ² Includes low phosphorus. ³ Includes ferrosilicon.

Source: American Iron and Steel Institute, Washington, D.C., *Annual Statistical Report*. (Copyright.)

NO. 1446. RAW STEEL PRODUCTION: 1950 TO 1980

[In millions of net tons, except percent. See also *Historical Statistics, Colonial Times to 1970*, series P 255-269]

ITEM	1950	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
World production	207.9	379.7	503.1	654.2	768.6	782.8	712.0	745.6	741.8	790.6	824.5	741.8
U.S. production	96.8	99.3	131.5	131.5	150.8	145.7	116.6	128.0	125.3	137.0	136.3	111.8
Percent of world	46.6	26.0	26.2	20.1	19.6	18.6	16.4	17.2	16.9	17.3	16.5	14.1
Basic oxygen process	—	3.3	22.9	63.3	83.3	81.6	71.8	79.9	77.4	83.5	83.3	87.6
Electric	6.0	8.4	13.8	20.2	27.8	28.7	22.7	24.6	27.9	32.2	33.9	31.2
Open hearth ²	90.8	87.5	94.0	48.0	39.8	35.5	22.2	23.5	20.0	21.3	19.1	13.0
Carbon	88.3	90.9	116.7	117.4	132.7	128.6	100.4	112.0	108.1	116.9	116.2	94.7
Alloy and stainless	8.6	8.4	14.8	14.1	18.1	19.1	16.3	16.0	17.2	20.1	20.1	17.1

— Represents zero. ¹ Preliminary. ² Includes bessemer.

Source: American Iron and Steel Institute, Washington, D.C., *Annual Statistical Report*. (Copyright.)

Manufactures

No. 1447. STEEL PRODUCTS—NET SHIPMENTS, BY MARKET CLASSES: 1960 TO 1980

[In thousands of short tons. Comprises carbon, alloy, and stainless steel. "N.e.c." means not elsewhere classified]

MARKET CLASS	1960	1965	1970	1975	1976	1977	1978	1979	1980
Total ¹	71,149	92,666	90,798	78,957	89,447	91,147	97,935	100,262	83,853
Automotive	14,610	20,123	14,475	15,214	21,351	21,490	21,253	18,621	12,124
Steel service centers, distributors	11,125	14,813	16,025	12,700	14,615	15,346	17,333	18,246	16,172
Construction, incl. maintenance	9,664	11,836	8,913	8,119	7,508	7,550	9,612	9,978	8,742
Containers, packaging, shipping	6,429	7,331	7,775	6,053	6,914	6,714	6,595	6,772	5,551
Cans and closures	4,976	5,867	6,239	4,859	5,290	5,173	4,950	4,994	4,163
Machinery, industrial equipment, tools	3,958	5,873	5,169	5,173	5,180	5,566	5,992	5,996	4,543
Steel for converting and processing	2,928	3,932	3,443	3,255	4,036	3,679	4,612	5,056	4,117
Rail transportation	2,525	3,805	3,098	3,152	3,056	3,238	3,549	4,111	3,155
Freight cars, passenger cars, locomotives	1,763	2,875	2,005	1,794	1,428	1,709	2,188	2,445	1,884
Rails and all others ²	762	930	1,093	1,358	1,628	1,529	1,361	1,666	1,271
Contractors' products	3,602	5,018	4,440	3,927	4,502	4,500	3,480	3,745	3,148
Oil and gas industries	1,759	1,936	3,550	4,171	2,653	3,650	4,140	3,739	5,371
Electrical equipment	2,078	2,985	2,694	2,173	2,671	2,639	2,811	2,819	2,441
Appliances, utensils, and cutlery	1,760	2,179	2,160	1,653	1,850	2,129	2,094	2,140	1,725
Other domestic commercial equipment	1,959	2,179	1,778	1,390	1,813	1,848	1,859	2,073	1,701
Exports (reporting companies only)	2,563	2,078	5,985	1,755	1,839	1,076	1,224	2,007	2,595
Agricultural, incl. machinery	1,003	1,483	1,126	1,429	1,784	1,743	1,805	1,971	1,240
Independent forgers, n.e.c.	841	1,250	1,048	1,098	952	998	1,192	1,254	933
Industrial fasteners ³	1,071	1,234	1,005	675	912	848	870	934	590
Shipbuilding and marine equipment	622	1,051	859	1,413	969	869	845	924	1,201
Mining, quarrying, and lumbering	288	392	497	596	536	486	508	569	454
Ordnance and other military	165	289	1,222	405	219	193	207	204	177
Aircraft and aerospace	78	94	56	68	59	63	60	60	53

¹ Total includes nonclassified shipments, and, beginning 1970, data include estimates for a relatively small number of companies which report raw steel production but not shipments. ² Includes railways, rapid transit systems, railroad rails, trackwork, and equipment. ³ Bolts, nuts, rivets, and screws.

Source: American Iron and Steel Institute, Washington, D.C., *Annual Statistical Report*. (Copyright.)

NO. 1448. IRON AND STEEL—PRODUCER PRICE INDEXES: 1960 TO 1981

[1967=100]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, May
Iron and steel, total	97.1	97.9	115.1	178.6	200.9	215.9	230.4	253.6	283.5	305.2	330.6
Steel mill products	98.4	97.5	114.2	170.0	197.2	209.8	229.9	254.5	280.4	302.7	332.0
Finished	96.3	97.5	114.2	170.0	196.6	209.0	229.0	253.5	279.5	301.2	330.9
Semifinished	97.1	98.3	112.2	169.0	206.7	223.1	243.6	270.5	294.3	325.6	348.7
Pig iron and ferroalloys	120.4	100.3	114.8	188.1	284.7	261.6	257.1	260.0	298.7	307.4	311.7
Iron ore	108.0	100.7	100.1	123.3	154.3	171.0	186.1	194.9	216.7	244.8	269.8
Scrap, iron and steel	110.2	112.6	138.8	353.2	245.6	259.0	231.2	264.6	341.9	328.1	348.3
Foundry and forge shop products	92.0	94.6	112.1	161.4	194.3	218.6	230.5	249.5	277.1	310.0	326.6

Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly and annual.

NO. 1449. FERROUS CASTINGS—SHIPMENTS: 1960 TO 1980

[In thousands of short tons. 1960 excludes Alaska and Hawaii. Data are based on a sample of foundries]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980, prel.
Gray iron castings ^{1 2 3}	11,594	15,713	13,945	15,661	13,328	15,103	16,014	16,124	15,402	11,799
Pressure pipe and fittings	1,336	1,876	1,691	1,957	1,380	1,414	1,653	1,690	1,546	1,356
Soil pipe and fittings	782	958	953	771	449	533	457	512	482	375
All other	9,476	12,879	11,301	12,933	11,498	13,156	13,904	13,922	13,374	10,028
Malleable iron castings ¹	821	1,136	852	912	770	845	815	790	715	450
For sale	467	648	521	553	484	518	479	455	376	206
For own use	354	488	331	359	286	327	336	335	339	244
Standard malleable	632	827	628	669	534	570	572	542	496	312
Pearlitic malleable	189	909	224	243	236	275	243	248	219	138
Steel castings ^{1 2}	1,392	1,961	1,724	2,091	2,026	1,893	1,667	1,857	2,039	1,878
Carbon	1,016	1,378	1,147	1,394	1,758	1,660	1,474	1,675	1,342	1,225
Alloy	376	583	577	697	268	233	193	182	697	653

¹ Beginning 1975, data not strictly comparable with earlier years. ² Includes shipments "for own use." ³ Includes ductile (nodular) iron castings.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M33A.

No. 1450. NONFERROUS CASTINGS—SHIPMENTS: 1960 TO 1980

[In millions of pounds. Shipments include "for own use." Data based on sample and subject to sampling variation; see text, p. 775]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980, prel.
Shipments, all types	2,201	3,437	3,033	3,211	2,534	3,157	3,281	3,327	3,253	2,432
Copper and copper-base alloy	760	889	751	671	619	549	580	580	617	489
Aluminum and aluminum-base alloy	775	1,409	1,506	1,759	1,375	1,845	2,009	2,008	2,081	1,538
Zinc and zinc-base alloy	623	1,065	696	693	572	691	613	574	491	346
Magnesium and magnesium-base alloy	24	32	34	49	32	39	49	45	28	24
Lead and lead-base alloy die ¹	21	42	45	39	36	32	31	40	36	35

¹ Excludes lead die casting for battery plates and parts.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M33E.

No. 1451. COPPER-BASE MILL AND FOUNDRY PRODUCTS—SHIPMENTS: 1960 TO 1979

[In millions of pounds, metal weight. 1960 excludes Alaska and Hawaii]

PRODUCT	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979, prel.
Total	4,298	6,288	5,640	7,195	6,196	4,639	5,512	5,980	6,266	6,683
Brass mill products										
Alloyed ¹	1,878	2,974	2,513	3,319	2,813	2,025	2,517	2,668	2,712	2,952
Unalloyed	1,128	1,711	1,542	2,060	1,816	1,324	1,643	1,726	1,750	1,876
Copper wire mill products ²	750	1,283	971	1,259	997	701	873	942	962	1,078
Brass and bronze foundry products	1,521	2,177	2,329	3,032	2,547	2,056	2,363	2,567	2,911	3,048
Copper-base powder mill products	862	1,075	751	780	667	512	547	583	580	617
Copper	39	62	47	64	69	46	65	64	63	66

¹ Excludes webbing scrap (military ammunition cups and discs). ² Copper content.

Source: U.S. Bureau of the Census and U.S. Bureau of Industrial Economics, *Current Industrial Reports*, series ITA-9008, annual.

No. 1452. ALUMINUM AND MAGNESIUM MILL PRODUCTS—NET SHIPMENTS: 1960 TO 1980

[In millions of pounds. 1960 excludes Alaska and Hawaii. Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products]

PRODUCT	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980, prel.
Aluminum mill products	3,049	5,692	7,358	10,461	7,427	9,706	10,442	11,346	11,241	10,455
Plate, sheet, and foil	1,637	3,019	4,247	6,974	4,684	6,346	6,846	7,285	7,205	6,689
Extruded shapes and tubing	937	1,119	1,823	2,384	1,643	2,141	2,396	2,509	2,426	2,192
Rolled structural shapes, rod, bar ¹	392	800	963	1,387	924	995	959	1,280	1,337	1,326
Powder, flake and paste	33	59	205	177	99	132	121	136	126	116
Forgings and impacts	50	95	120	138	97	100	121	136	147	132
Magnesium mill products	21	32	31	29	26	27	32	40	44	35

¹ Includes wire.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M33-2 and MA33G.

No. 1453. CIVILIAN FIREARMS—DOMESTIC PRODUCTION AND IMPORTS: 1960 TO 1980

[In thousands. Beginning 1973, fiscal-year data. Includes firearms sold under civilian marksmanship program of Department of Defense]

ITEM	1960	1965	1969	1970	1973	1974	1975	1976	1977	1978	1979	1980
Total	2,163	3,121	6,180	(NA)	5,758	6,542	6,852	6,120	5,798	5,735	6,207	6,400
Domestic production	1,508	2,355	5,290	(NA)	4,844	5,639	5,768	5,225	5,016	4,866	5,321	5,646
Handguns	475	666	2,840	(NA)	1,734	1,715	2,024	1,833	1,868	1,889	2,124	2,371
Rifles	469	790	2,450	(NA)	1,830	2,099	2,123	2,091	1,923	1,781	1,878	1,936
Shotguns	564	899	1,280		1,825	1,621	1,301	1,225	1,196	1,319	1,339	
Imports for consumption	655	766	890	826	914	903	1,084	895	782	869	886	754
Handguns	128	347	349	227	299	259	462	270	316	273	271	299
Rifles	402	245	207	237	195	188	166	157	170	223	257	182
Shotguns	125	174	334	363	420	456	457	468	296	373	358	273

NA Not available.

Source: 1960-1970, U.S. Bureau of the Census, *U.S. Imports, General and Consumption, Schedule A Commodity and Country*, FT 135, and National Commission on the Causes and Prevention of Violence, Task Force report, *Firearms and Violence in American Life*. Beginning 1973, U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol, Tobacco and Firearms, Summary Statistics*, Publication ATFP 1323.1.

NO. 1454. MACHINERY (EXCEPT ELECTRICAL)—VALUE OF SHIPMENTS: 1960 TO 1979

[In millions of dollars. "N.e.c." means not elsewhere classified. Based on sample; see Appendix III]

PRODUCT	1960	1970	1972	1975	1976	1977	1978	1979
Automatic merchandising machines ¹	185	266	306	225	306	396	469	487
Ball and roller bearings.....	836	1,295	1,419	2,046	2,195	2,445	2,795	3,156
Blowers and fans ¹	269	647	682	1,247	1,400	1,422	1,511	1,703
Commercial laundry and dry cleaning equipment ^{1, 2}	120	204	185	184	202	234	282	304
Calculating and accounting machines ¹	(NA)	525	694	837	790	836	891	1,170
Electronic computing equipment ¹	(NA)	5,671	6,108	8,443	10,134	12,673	15,769	20,399
Carburetors, pistons, rings, and valves.....	(NA)	530	792	898	1,120	1,299	1,507	1,775
Chemical manufacturing industries machinery ¹	137	232	213	476	536	437	454	519
Commercial cooking and food warming equipment ¹	172	200	217	304	377	366	462	505
Construction machinery ³	940	2,049	3,161	5,070	5,540	6,597	8,016	8,718
Conveyors and conveying equipment ¹	367	814	826	1,333	1,385	1,684	1,923	2,318
Elevators and moving stairways ¹	205	326	412	388	396	435	517	675
Farm machinery, except tractors ¹	1,449	3,065	2,928	5,316	5,907	6,912	7,357	8,944
Lawn and garden equipment ¹			1,143	1,558	1,676	1,747	2,118	2,704
Farm tractors, wheel-type, incl. attachments ¹	511	915	1,215	2,374	2,514	2,637	2,524	3,094
Filters and strainers, industrial.....	(NA)	275	259	575	630	741	871	
Food products machinery ¹	462	823	867	1,111	1,394	1,576	1,955	2,052
Hoists, cranes, and monorails ¹	201	487	446	766	809	901	1,009	1,268
Industrial furnaces and ovens ¹	215	377	341	532	585	704	794	950
Industrial patterns, except shoe patterns.....	140	214	234	307	283	412	439	546
Industrial trucks and tractors ¹	389	890	1,005	1,302	1,341	1,800	2,266	2,797
Internal combustion engines ^{1, 4}	1,215	2,762	3,353	5,191	6,138	7,548	9,064	9,624
Measuring, dispensing and lubricating pumps ¹	102	172	183	247	262	266	317	441
Machine tools, metal cutting types ¹	747	1,544	1,259	2,406	2,146	2,561	3,377	4,128
Machine tools, metal forming types ¹	379	735	670	1,026	1,051	1,115	1,358	1,835
Office machines, n.e.c. and typewriters ¹	456	978	1,047	1,334	1,563	2,020	2,422	2,756
Oil field machinery ¹	507	934	980	2,412	2,637	3,219	4,046	4,885
Packing, packaging, and bottling machinery ^{1, 5}	(NA)	(NA)	232	383	391	491	674	554
Paper industries machinery ¹	348	455	381	761	773	698	799	1,017
Plastic working machinery and equipment ¹	91	349	434	444	554	670	823	939
Power-driven handtools ¹	254	523	725	772	878	1,497	1,694	1,911
Printing trades machinery ¹	350	657	737	940	1,006	1,287	1,536	1,746
Pumps and pumping equipment ¹	1,107	2,203	1,633	2,623	2,985	3,522	4,037	4,697
Refrigeration and heating equipment ¹	1,809	5,053	6,232	6,151	7,563	8,502	10,158	10,939
Rolling mill machinery ¹	240	299	248	433	470	381	334	407
Rubber working machinery ^{1, 6}	90	171	137	163	173	158	163	163
Scales and balances, except laboratory ¹	66	153	182	268	299	329	422	443
Small cutting tools for machine tools.....	401	700	738	1,185	1,277	1,376	1,652	2,024
Special dies, tools, jigs, and fixtures.....	1,751	2,775	2,714	3,086	3,620	4,450	5,059	5,733
Turbines and turbine generator sets ¹	623	1,640	2,080	2,585	2,803	2,813	2,824	3,211
Textile machinery ¹	494	712	738	861	918	857	949	1,057
Tractor shovel loaders.....	286	581	811	1,280	1,141	1,537	1,926	2,077
Wheel tractors, contractors' off highway.....	65	205	252	381	300	454	568	580
Tracklaying tractors.....	270	479	584	1,128	1,061	1,165	1,421	1,358
Woodworking machinery ¹	176	341	340	637	756	547	646	675

NA Not available. ¹ Includes parts. ² Beginning 1974, excludes coin-operated washers and dryers with less than 10 lb. capacity. ³ Excludes tractors and tractor shovel loaders. ⁴ Excludes aircraft and gasoline automotive. ⁵ Represents machinery for food products. ⁶ Excludes tire molds.

Source: U.S. Bureau of the Census, *Census of Manufactures*, 1972 and 1977, and *Annual Survey of Manufactures*.

NO. 1455. AIR-CONDITIONING AND REFRIGERATION—SHIPMENTS: 1965 TO 1979

[See *Historical Statistics, Colonial Times to 1970*, series P 280, for room air-conditioners]

PRODUCT	NUMBER (1,000)					VALUE (mil. dol.)				
	1965	1970	1975	1978	1979	1965	1970	1975	1978	1979
Centrifugal-refrigeration systems.....	3	4	5	(D)	(D)	63	106	161	(D)	(D)
Compressors and compressor units ¹	8,526	14,653	15,034	25,789	(D)	333	628	840	1,690	(D)
Condensing units ¹	599	485	335	537	498	69	72	92	172	180
Air-cooled.....	563	461	321	519	480	55	56	75	135	139
Heat-transfer equipment.....	(NA)	(NA)	657	657	667	217	360	254	357	427
Ice-making machines.....	87	103	128	194	201	43	58	68	168	179
Room air-conditioners.....	2,868	5,365	2,648	4,030	3,756	383	776	464	871	854
Unitary air-conditioners.....	837	1,459	1,561	3,227	3,061	425	755	923	1,982	2,138
Heat pumps.....	72	88	160	618	647	35	43	88	371	419

D Withheld to avoid disclosing figures for individual companies. NA Not available. ¹ Excludes units for ammonia refrigerants.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-35M.

NO. 1456. ELECTRICAL MACHINERY AND PRODUCTS SHIPMENTS: 1960 TO 1979

[In millions of dollars. All figures based on sample and subject to sampling variability. "N.e.c." means not elsewhere classified]

PRODUCT	1960	1965	1970	1972	1975	1976	1977	1978	1979, prel.
Batteries.....	558	831	1,056	1,270	1,747	2,110	2,635	2,938	3,286
Primary, dry and wet.....	153	221	290	317	456	606	624	740	767
Storage.....	405	610	766	953	1,291	1,504	1,911	2,198	2,519
Carbon and graphite products.....	187	277	357	336	568	604	663	801	1,032
Cathode ray picture tubes.....	213	432	458	634	514	605	604	722	771
Coils, transformers, reactors, and chokes.....	215	367	389	385	489	539	606	633	798
Communications equipment.....	2,028	3,098	5,444	5,529	7,941	8,572	11,031	12,499	14,861
Telephone and telegraph apparatus.....	1,431	1,953	3,575	3,974	4,734	5,132	7,119	8,003	9,677
Broadcast, studio, and related equipment.....	597	1,145	1,869	1,555	469	560	588	707	902
Communication equipment, excluding broadcast.....					2,739	2,880	3,344	3,789	4,282
Connectors for electronic applications.....	(NA)	2,276	3,134	524	839	838	986	1,322	1,683
Current carrying wiring devices.....	622	644	983	1,207	1,240	1,641	1,825	2,024	2,561
Electric housewares and fans.....	598	1,002	1,281	1,448	1,687	1,979	2,304	2,372	2,730
(NA) (1) (1)				3,210	3,445	4,262	5,574	6,827	8,611
Electronic components and subassemblies, n.e.c.....	772	1,059	1,437	1,781	2,050	2,649	3,048	3,432	3,424
Engine electrical equipment.....	567	825	1,154	1,246	1,674	2,013	2,429	2,997	3,464
General industry power circuit devices.....	350	479	623	825	920	1,103	1,383	1,490	1,702
Household appliances, n.e.c.....	469	624	811	1,027	1,101	1,514	1,807	2,089	2,212
Household laundry equipment.....	695	871	1,024	1,290	1,255	1,445	1,697	1,782	1,883
Household refrigerators and freezers.....	805	960	1,220	1,419	1,611	1,579	2,006	2,045	2,314
Household vacuum cleaners.....	161	221	328	439	544	654	710	758	860
Intercommunication equipment.....	184	197	253	336	563	606	852	874	1,114
Lamp bulbs.....	490	643	885	1,069	1,225	1,477	1,630	1,894	2,143
Lighting fixtures.....	849	1,313	1,786	2,276	2,366	2,738	3,230	3,852	5,125
Residential.....	255	400	537	746	640	782	971	1,107	1,171
Commercial and institutional.....	227	337	466	527	577	638	654	745	954
Motors and generators.....	1,508	1,936	2,478	2,636	3,677	4,129	4,976	5,860	6,435
Noncurrent carrying wiring devices.....	360	536	700	833	1,074	1,171	1,316	1,574	1,966
Radio and TV receiving sets ⁴	1,641	2,984	2,986	3,589	3,545	4,143	4,731	5,484	5,489
Radios, home, portable, and automotive.....	415	698	618	754	676	824	812	916	920
Television receivers.....	775	1,687	1,756	2,149	1,924	2,225	2,451	2,802	2,975
Records, record blanks, and prerecorded tapes.....	149	198	402	537	649	742	1,139	1,466	1,100
Resistors for electronic applications.....	212	370	348	438	466	618	583	612	717
Semiconductors and related devices.....	(S)	839	1,582	2,361	3,038	4,079	4,532	5,615	7,356
Sewing machines.....	130	114	126	152	204	258	260	272	323
Switchgear and switchboard apparatus.....	899	1,269	1,849	2,059	2,509	2,662	3,298	3,682	4,075
Transformers.....	725	891	1,378	1,436	1,769	1,821	2,118	2,371	2,538
Welding apparatus, electric.....	283	433	470	570	908	870	1,035	1,205	1,349
X-ray and electromedical equipment.....	88	121	235	383	740	820	1,838	1,958	2,883

NA Not available. S Withheld because data did not meet publication standards. ¹ Data for "Electronic components and subassemblies" included with "Connectors for electronic applications". ² Beginning 1975, includes coin-operated washers and dryers with less than 10-lb. capacity. ³ Includes commercial and industrial vacuum cleaners. ⁴ Includes items not shown separately.

Source: U.S. Bureau of the Census, *Census of Manufactures*, 1972 and 1977, and *Annual Survey of Manufactures*.

NO. 1457. ELECTRONIC COMPUTING EQUIPMENT INDUSTRY—SUMMARY: 1972 TO 1979

[In millions of dollars, except as indicated. Data for the noncensus years (all years except 1972 and 1977) are based on sample surveys and are therefore subject to sampling errors. See source for further detail]

ITEM	1972	1973	1974	1975	1976	1977	1978	1979, prel.
Employment, total (1,000).....	144.8	155.3	176.7	162.5	165.7	192.7	232.1	273.4
Salaries and wages.....	1,688	1,873	2,222	2,292	2,451	3,004	3,814	4,768
Production workers (1,000).....	64.7	74.9	86.8	73.8	71.3	85.5	102.9	121.6
Work-hours (million).....	130.6	151.4	173.0	145.9	144.0	172.4	202.3	243.2
Workers wages.....	547	660	795	731	707	978	1,267	1,540
Value added.....	3,498	4,238	5,205	4,860	6,108	7,624	9,628	12,458
Supplemental labor cost.....	205	237	312	343	399	528	698	902
Cost of materials.....	2,981	3,481	4,164	3,705	4,380	5,701	7,519	9,979
Value of shipments.....	5,471	7,422	9,122	8,560	10,388	12,924	16,558	21,440
New expenditures.....	213	207	296	292	373	652	1,101	1,524
Inventories.....	1,574	2,005	2,478	2,264	2,294	3,008	3,989	5,522
Assets, total.....	1,896	1,857	2,065	2,232	2,353	3,042	4,076	5,196
Ratio of:								
Cost of materials, supplemental labor cost, and salaries and wages to value of shipments.....	.750	.753	.753	.741	.696	.714	.727	.730
Cost of materials to value of shipments.....	.461	.469	.457	.433	.422	.441	.454	.465
Value added to value of shipments.....	.540	.571	.571	.548	.588	.590	.581	.581
Value added to work-hours.....	26.78	27.99	30.09	32.15	42.42	44.22	47.59	51.23

Source: U.S. Bureau of the Census, *Census of Manufactures*, 1972 and 1977, and *Annual Survey of Manufactures*.

NO. 1458. ELECTRONIC COMPONENTS AND ACCESSORIES INDUSTRY—SUMMARY: 1972 TO 1979

[In millions of dollars, except as indicated. See headnote, table 1457]

ITEM	1972	1973	1974	1975	1976	1977	1978	1979
Employment, total (1,000).....	336.0	394.8	381.7	302.3	323.0	373.5	412.3	467.6
Salaries and wages.....	2,970	3,474	3,686	3,358	3,763	4,557	5,294	6,461
Production workers (1,000).....	233.9	283.2	268.3	197.6	218.8	257.9	286.7	324.5
Workers wages.....	1,560	1,971	1,974	1,705	1,964	2,457	2,887	3,484
Value added.....	5,306	6,594	6,983	5,984	7,568	9,260	10,981	14,232
Supplemental labor cost.....	388	481	571	538	669	811	998	1,232
Cost of materials.....	3,468	4,437	4,635	3,984	5,008	6,990	7,210	9,206
Value of shipments.....	8,826	10,783	11,301	10,089	12,433	15,390	17,912	22,708
New expenditures.....	344	629	785	526	651	783	1,119	1,122
Inventories.....	1,495	1,965	2,286	2,050	2,320	2,773	3,275	4,376
Assets, total.....	3,701	4,083	4,489	4,868	5,228	6,026	6,984	8,142
Rents, total.....	66	81	97	108	112	107	115	145
Ratio of:								
Cost of materials to value of shipments.....	.393	.411	.410	.395	.403	.415	.403	.405
Value added to value of shipments.....	.601	.612	.616	.593	.609	.602	.613	.627

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972 and 1977*, and *Annual Survey of Manufactures*.

NO. 1459. ELECTRONIC COMPONENTS—FACTORY SALES: 1970 TO 1980

[In millions of dollars]

SALES	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total.....	6,205	5,774	6,894	9,906	10,403	9,286	10,884	13,033	16,440	20,644	25,364
Active components.....	2,368	2,251	2,725	4,084	4,310	3,651	4,666	5,154	6,301	8,201	10,181
Electron tubes.....	1,078	1,094	1,258	1,338	1,198	1,071	1,233	1,296	1,451	1,586	1,782
TV tubes.....	482	533	651	722	613	499	637	633	732	799	959
Solid state products (semiconductors).....	1,293	1,157	1,467	2,756	3,114	2,580	3,433	3,858	4,850	6,615	8,399
Integrated circuits.....	524	534	718	1,421	1,767	1,458	2,032	2,464	3,261	4,671	6,357
Transistors ¹	352	303	359	634	688	522	621	631	670	792	806
Diodes and rectifiers.....	378	279	314	391	438	329	390	394	457	557	619
Other.....	39	41	76	310	241	271	390	369	462	595	629
Passive components.....	1,133	1,088	1,184	1,594	1,726	1,438	1,589	1,842	2,137	2,599	3,045
Capacitors.....	483	435	438	612	676	470	608	744	897	1,050	1,299
Resistors.....	365	359	411	537	514	447	449	477	504	647	653
Coils and transformers.....	285	274	335	445	536	489	485	560	654	791	975
Passive networks.....	(NA)	(NA)	(NA)	(NA)	(NA)	32	47	61	82	111	118
Other components ³	2,703	2,455	2,985	4,218	4,367	4,197	4,629	6,037	8,002	9,844	* 12,138
R. & D. expenditures ⁴	571	483	455	485	586	501	427	598	622	750	(NA)

NA Not available. ¹ Includes dual transistors for 1970 through 1973. ² Estimated. ³ Includes electronic connectors and other electronic components not elsewhere classified. ⁴ Electronic research and development, test and evaluation (receipts or billings not reported as shipments of specific products). Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA36N, annual.

Source: Except as noted, Electronic Industries Association, Washington, D.C., *Electronic Market Data Book*, 1981 edition (copyright).

NO. 1460. TRANSPORTATION EQUIPMENT—VALUE OF SHIPMENTS: 1960 TO 1979

[In millions of dollars. "N.e.c." means not elsewhere classified]

TYPE OF EQUIPMENT	1960	1965	1970	1972	1975	1976	1977	1978	1979, prel.
Aircraft ^{1, 2}	4,653	5,277	8,722	7,538	10,881	11,723	12,053	13,610	18,925
Complete aircraft, military.....	2,395	2,657	9,833	2,803	4,017	4,671	4,580	3,719	4,430
Complete aircraft, personal and utility.....	1,270	337	3,176	474	1,003	1,204	2,034	6,372	10,983
Complete aircraft, except personal and utility.....	1,270	1,275	2,787	3,653	3,355	2,672			
Aircraft engines and engine parts.....	2,779	3,871	4,594	3,070	4,488	4,928	4,995	6,028	7,884
Aircraft equipment, n.e.c.	3,966	3,883	5,273	3,437	4,842	5,102	5,762	6,456	8,052
Boat building and repairing.....	331	423	644	1,031	1,290	1,571	1,822	2,103	2,298
Motor homes built on purchased chassis.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1,495	2,005	982
Motor vehicles and car bodies ¹	16,739	26,310	26,811	41,046	43,394	59,753	72,979	80,551	80,133
Passenger cars and car chassis.....	14,008	21,852	19,391	29,246	28,883	39,746	47,799	50,815	50,306
Trucks, truck tractors, and truck chassis.....	2,573	4,289	5,734	9,586	11,872	16,597	21,544	25,830	25,640
Motor vehicle parts and accessories.....	12,273	18,875	13,189	19,417	23,023	30,385	37,842	42,952	42,906
Motorcycles, bicycles; and parts.....	123	226	395	541	705	688	847	1,001	1,112
Railroad equipment.....	1,087	2,027	(D)	2,284	3,885	3,336	4,002	5,207	7,313
Ship building and repairing ^{1, 3}	1,216	1,816	2,594	3,201	5,513	5,833	6,270	6,688	7,466
Self-propelled ships, military (new).....	406	742	1,086	1,100	1,768	1,957	2,212	2,282	2,512
Self-propelled ships, nonmilitary (new).....	361	282	514	816	1,806	1,825	1,917	1,861	1,890
Travel trailers and campers.....	(NA)	(NA)	(NA)	1,277	1,083	1,356	1,478	1,539	1,068
Truck and bus bodies.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1,881	2,165	2,297
Truck trailers.....	(NA)	871	765	1,079	878	1,250	1,807	2,390	2,935

D Withheld to avoid disclosure. NA Not available. ¹ Includes data for products not shown separately. ² See table 1131 for number of civil aircraft shipments. ³ Value of work done. ⁴ Includes combat vehicles.

Source: U.S. Bureau of the Census, *Census of Manufactures*, 1972 and 1977, and *Annual Survey of Manufactures*.

Home Appliances

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No. 1461. HOME APPLIANCES AND HOME AND AUTO ELECTRONICS—SHIPMENTS AND RETAIL VALUE: 1970 TO 1980

[Compiled from reports of associations and manufacturers. Except as indicated, covers electric appliances only]

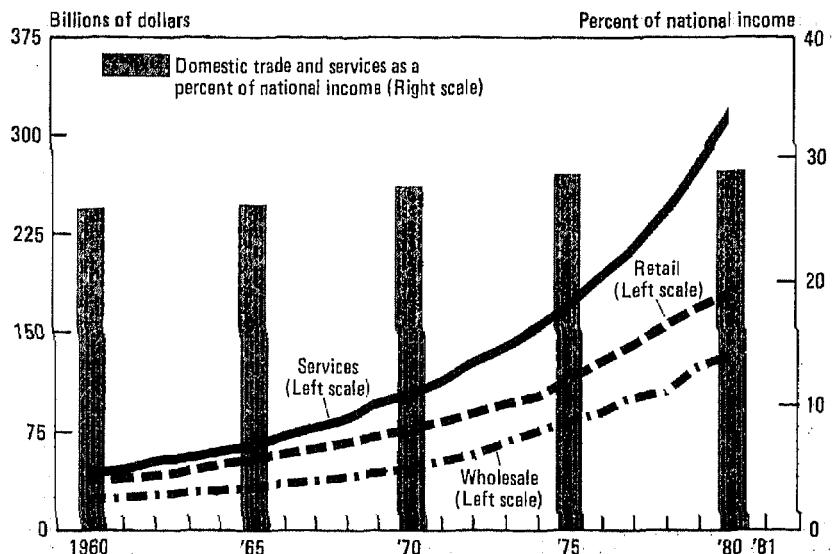
PRODUCT	MANUFACTURERS SHIPMENTS (1,000 units)					RETAIL VALUE (mill. dol.)				
	1970	1975	1978	1979	1980	1970	1975	1978	1979	1980
Major appliances	29,052	27,851	36,447	35,965	32,768	6,146	7,258	12,515	12,647	12,310
Air treatment ¹	6,485	3,292	4,709	4,680	4,129	1,254	755	1,459	1,512	1,379
Air conditioners	5,887	2,670	4,037	3,749	3,187	1,207	641	1,312	1,327	1,186
Dehumidifiers	598	392	441	684	718	47	37	62	98	111
Kitchen appliances ²	15,492	16,884	22,288	21,989	20,128	3,410	4,337	8,197	8,227	8,102
Dishwashers	2,116	2,702	3,557	3,488	2,712	466	697	1,082	1,138	959
Disposers, food waste	1,977	2,080	3,313	3,316	2,885	129	187	295	277	277
Freezers (10 cu. ft. and over)	1,359	2,457	1,522	1,859	1,715	302	600	499	699	731
Microwave ovens	30	840	2,422	2,815	3,585	15	337	1,142	1,311	1,612
Ranges, electric	2,362	2,082	3,218	3,003	2,544	540	513	1,132	1,152	1,048
Ranges, gas	2,382	1,618	1,797	1,794	1,534	510	383	619	643	583
Ranges, smooth top	(X)	275	249	220	155	(X)	144	138	139	93
Refrigerators (6.5 cu. ft. and over)	5,286	4,577	5,890	5,701	5,173	1,448	1,423	3,288	3,187	3,093
Trash compactors	(X)	233	300	293	234	(X)	52	72	74	61
Home laundry	7,075	6,658	8,120	7,999	7,187	1,482	1,665	2,575	2,612	2,500
Dryers	2,981	2,680	3,382	3,333	2,939	525	672	884	906	858
Washers	4,094	3,978	4,728	4,666	4,254	957	1,293	1,711	1,706	1,642
Compact appliances	(X)	1,037	1,350	1,297	1,326	(X)	201	284	296	328
Kitchen electrics ¹	50,640	57,486	73,217	76,825	78,783	949	1,295	1,841	2,032	2,191
Blenders	5,100	4,000	5,680	5,025	4,673	128	92	113	106	103
Broilers	2,605	2,008	2,280	2,423	2,518	71	66	99	119	133
Coffeemakers	8,100	10,656	10,500	12,104	12,957	130	242	265	298	338
Corn poppers	2,300	2,430	3,600	5,280	5,543	23	29	65	130	141
Food processors	(X)	(X)	2,000	3,000	3,180	(X)	(X)	120	183	204
Frypan-skillets	3,200	2,611	2,600	2,709	2,736	93	89	94	103	109
Griddles/quick grills	500	640	646	661	628	13	18	18	21	21
Irons	9,275	7,883	10,451	10,340	11,184	159	187	288	287	317
Mixers	4,675	4,477	5,175	5,568	5,626	90	106	132	156	160
Slow cookers	(X)	6,500	6,700	5,641	5,585	(X)	156	141	107	112
Toasters	5,975	6,204	8,100	8,916	9,291	108	144	220	252	268
Waffle irons/sandwich grills	1,025	1,028	1,058	1,119	1,141	19	20	19	25	27
Fans	9,875	9,236	10,515	12,449	12,930	283	238	285	485	532
Portable electric heaters	2,835	2,990	4,467	4,437	3,319	70	70	123	138	109
Floor care ¹	8,538	9,120	10,685	10,734	10,255	548	689	1,136	1,208	1,212
Floor polishers	1,156	530	520	512	451	46	19	23	27	25
Vacuum cleaners	7,382	7,650	8,985	8,922	8,400	502	657	1,091	1,155	1,157
Personal care ¹	25,100	36,495	49,542	57,172	59,531	477	707	933	1,018	1,121
Bed covering	4,050	4,032	4,800	5,125	5,586	81	89	127	144	173
Hair dryers	6,100	10,496	18,970	18,488	18,665	146	242	354	313	317
Hair setters	5,500	2,033	1,989	2,382	2,735	121	37	41	52	59
Heating pads	3,900	3,500	3,940	4,100	4,389	23	32	35	37	44
Oral hygiene devices	2,850	1,602	1,540	1,650	1,656	46	23	25	28	31
Power mowers	(NA)	5,670	6,315	6,814	6,456	(NA)	(NA)	1,281	2,260	2,297
Home and auto electronics:										
Televisions	9,368	11,453	16,300	16,074	16,127	3,090	3,800	5,694	5,300	5,542
Black and white	4,546	4,968	6,084	6,281	6,149	611	529	701	682	685
Color	4,822	6,485	10,236	9,793	9,978	2,479	3,271	4,993	4,618	4,857
Videocassette recorders	(X)	(X)	402	478	804	(X)	(X)	356	431	700
Components, hi-fi	(NA)	10,105	13,180	14,562	14,700	(NA)	1,017	1,497	1,705	1,772
Compact hi-fi systems	(NA)	3,491	4,474	4,341	3,851	(NA)	681	983	939	813
Portable tape player/recorder	(NA)	10,240	13,198	13,555	14,884	(NA)	487	681	693	818
Tape decks	(NA)	486	650	675	716	(NA)	133	182	184	178
Radios	34,049	25,276	32,479	28,550	27,012	682	615	1,056	919	868
Autosound	(NA)	6,484	8,655	9,130	8,197	(NA)	540	888	1,081	968
CB radios	(NA)	4,500	4,736	1,590	1,412	(NA)	816	393	130	112
Blank tape	(NA)	203,844	268,500	244,753	260,063	(NA)	349	805	687	852
Audio	(NA)	(NA)	263,000	234,788	247,747	(NA)	(NA)	710	511	595
Video	(NA)	(NA)	5,500	9,967	15,316	(NA)	(NA)	95	176	258
Calculators	(NA)	18,350	23,341	25,380	26,502	(NA)	1,153	915	843	841
Hand-held	(NA)	16,050	20,111	21,317	22,288	(NA)	613	495	425	420
Desk top	(NA)	2,300	3,230	4,063	4,214	(NA)	540	420	418	422
Digital watches	(NA)	4,200	17,750	19,717	21,163	(NA)	319	643	649	623

NA Not available. X Not applicable. ¹ Includes products not shown separately. ² Excludes duplication of microwave and smooth top range combinations.

Source: Gralla Publications, Inc., New York, N.Y., *Merchandising*, 59th Annual Statistical and Marketing Report.

Figure 30.1

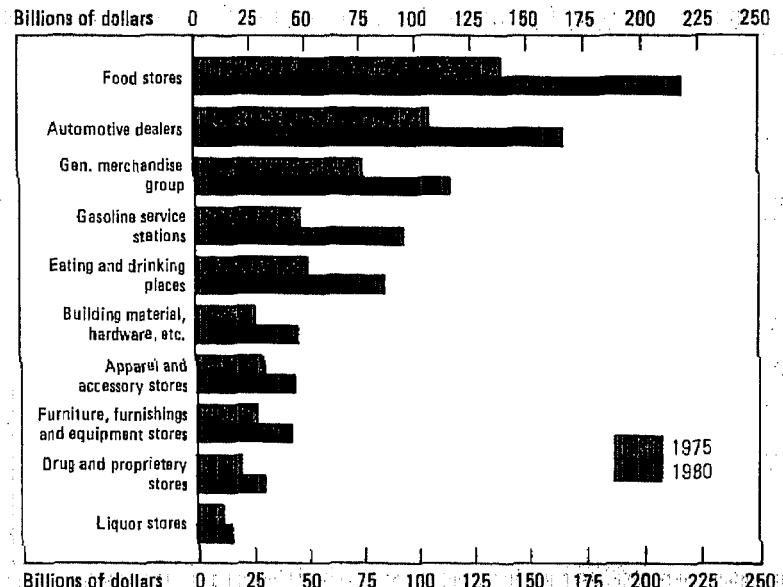
**National Income Originating in Domestic Trade and Services:
1960 to 1980**



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1462.

Figure 30.2

Retail Sales, by Kind of Business: 1975 to 1980



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1466.



Section 30

Domestic Trade and Services

This section presents statistics relating to the distributive trade and service industries. Data shown for the trades, classified by kind of business, and for the various categories of services (e.g., personal, business, repair, hotel) cover sales or receipts, establishments, employees, payrolls, and other items. Also included are data for franchised businesses.

The principal sources of these data are census reports and survey reports of the Bureau of the Census. Data on national income originating in trade and services appear in the monthly *Survey of Current Business*, issued by the Bureau of Economic Analysis. Financial data for firms engaged in retail, wholesale, or service activities appear in the annual *Statistics of Income*, published by the Internal Revenue Service.

Censuses.—Censuses of retail trade, wholesale trade, and the service industries have been taken at various intervals since 1929. Beginning with the 1967 Census, legislation provides for a census to be conducted every 5 years (for years ending in "2" and "7").

The establishments covered in the censuses and surveys of business are classified into 3 groups as defined in the *Standard Industrial Classification Manual, 1972* (see text, page 376). *Retail trade* refers to places of business primarily engaged in selling merchandise for personal or household consumption; *wholesale trade*, to establishments primarily engaged in selling goods to dealers and distributors for resale or to purchasers who buy for business and farm uses; and *services*, to establishments primarily engaged in providing a wide range of services for individuals and for business.

Prior to 1977, the censuses excluded health services (except dental laboratories), educational services, social services, membership organizations, and others performing a professional or scientific service (except engineering, architectural, and surveying services). These were covered in the 1977 Census of Service Industries. In addition, in 1977, the distinction between taxable and tax exempt establishments was made for all service industries. Table 1491 provides data for 1977 for all tax-exempt establishments with payroll in the service industry, by kind of operation, as well as data on taxable establishments in industries covered for the first time in the 1977 Census. (See footnote 5, table 1489, for industries which for the first time in 1977, are divided between taxable and tax-exempt establishments.) For comparability, other tables presented are for only those service industries covered in the 1972 Census of Selected Services. Still excluded in the censuses are religious organizations, public utilities, and Government-operated enterprises except wholesale and retail liquor operations.

Data from the 1958 Census exclude retail and service nonemployer establishments which had receipts of less than \$2,500 and \$1,000, respectively. Beginning with the 1963 Census, nonemployer establishments which did not operate the entire year were included if, during the period they operated, their receipts were at a rate which would have reached the annual totals specified had they operated the entire year. Wholesale trade establishments with no paid employment are excluded. Beginning in 1977, nonemployer direct sellers were excluded in the Census of Retail Trade. Also beginning in 1977, these censuses excluded sales taxes and finance charges in their report of sales (or receipts) figures.

Current surveys.—Current sample surveys conducted by the Bureau of the Census cover various aspects of the retail and wholesale trades and selected service industries. Its *Monthly Retail Trade Report* contains monthly estimates of sales, inventories, and sales of organizations operating 11 or more retail stores (see table 1468), for the United States, by kind of business. In addition, monthly retail sales data for census regions and divisions, 19 large States, and 28 large standard metropolitan statistical areas are included, as well as data on the number of department stores and the monthly sales of these stores in 243 selected areas. Annual figures on sales, sales ratios, inventories, and yearend inventories, by kind of business, appear in the *Annual Retail Trade Report*.

Statistics from the Bureau's monthly wholesale trade survey include national estimates of merchant wholesalers' sales, inventories, and stock-sales ratios by kind of business, as well as sales and inventory trends by kind of business and by geographic divisions. Monthly sales estimates are also shown by geographic divisions for the summary groups—durable and nondurable goods wholesalers and all wholesalers combined. These data, based on reports submitted by a sample of firms, appear in the *Monthly Wholesale Trade Report*. Annual figures on sales, sales-inventory ratios, and yearend inventories by kind of business appear in the *Annual Wholesale Trade Report*.

The *Monthly Selected Services Receipts Report* provides monthly estimates of receipts for major kind-of-business groups and professions and kind-of-business categories for the United States as a whole.

For the current sample survey programs, retail trade coverage is the same as for the census; wholesale trade coverage is limited to merchant wholesalers; and selected services coverage is less inclusive than the census.

Estimates obtained from annual and monthly surveys are based on sample data and are not expected to agree exactly with results that would be obtained from a complete census of all establishments. Data include estimates for establishments not reporting.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 1462. NATIONAL INCOME ORIGINATING IN DOMESTIC TRADE AND SERVICE INDUSTRIES: 1950 TO 1979

[In billions of dollars, except percent. Prior to 1960, excludes Alaska and Hawaii. Data unadjusted for capital consumption and represent net value added at factor costs. Data based on 1972 Standard Industrial Classification. See *Historical Statistics, Colonial Times to 1970*, series T 1-14, for single-year data prior to minor revisions issued in 1977]

INDUSTRY	1950	1955	1960	1965	1970	1974	1975	1976	1977	1978	1979
National income, total.....	244.0	335.9	420.8	571.1	814.8	1,176.8	1,267.4	1,413.0	1,582.6	1,787.8	2,014.3
Wholesale and retail trade	41.0	52.3	64.6	84.9	123.5	175.5	195.3	215.3	239.0	262.7	290.8
Percent of total national income.....	16.8	15.6	15.4	14.9	15.2	14.9	15.4	15.3	15.1	14.7	14.4
Wholesale trade.....	14.2	18.9	24.7	32.1	46.9	74.7	81.1	87.6	97.8	107.0	121.9
Retail trade.....	26.8	33.4	40.0	52.8	76.6	100.8	114.2	127.7	141.3	155.7	168.9
Services.....	21.7	31.1	44.7	64.3	104.1	151.7	168.7	188.7	212.4	240.3	276.2
Percent of total national income.....	8.9	9.3	10.7	11.3	12.8	13.0	13.5	13.5	13.7	13.9	14.0
Hotels and other lodging places.....	1.4	1.7	2.0	2.8	4.5	6.2	7.0	8.0	9.0	10.7	12.3
Personal services.....	3.0	3.7	4.6	6.0	7.6	8.3	8.6	9.4	10.4	11.6	12.7
Miscellaneous business services.....	1.8	3.1	5.4	8.9	15.0	22.0	24.0	27.8	32.3	38.2	45.9
Auto repair, services, and garages.....	.9	1.2	1.7	2.4	3.7	5.5	6.2	7.0	8.0	9.5	11.0
Miscellaneous repair services.....	.7	.9	1.1	1.5	2.2	3.4	3.6	3.9	4.5	5.3	6.1
Motion pictures.....	.9	1.0	.9	1.2	1.7	1.8	1.9	2.5	2.9	3.4	3.9
Amusement and recreation services.....	.8	1.1	1.7	2.2	3.2	4.6	5.2	5.9	6.7	7.4	8.1
Medical and other health services.....	4.4	7.1	10.7	15.8	29.4	46.4	54.1	60.8	68.6	75.4	86.9
Legal services.....	1.3	1.9	2.7	4.2	6.7	10.7	11.5	12.7	14.5	16.1	18.1
Educational services.....	1.0	1.3	2.2	3.7	7.0	10.3	11.0	11.4	11.8	12.8	14.1
Nonprofit membership organization ¹	1.9	2.8	4.5	6.4	10.0	14.0	15.6	16.8	18.3	20.5	22.7
Miscellaneous professional services.....	1.1	2.1	3.4	5.2	8.8	13.9	15.4	17.0	19.6	23.2	27.0
Private households.....	2.6	3.1	3.8	4.0	4.5	4.6	4.6	5.4	5.9	6.2	6.4

¹ Includes social services.

Source: U.S. Bureau of Economic Analysis. *The National Income and Product Accounts of the United States, 1929-76*, and *1976-79, and Survey of Current Business*, July 1981.

NO. 1463. PERSONS IN DOMESTIC TRADE AND SERVICE INDUSTRIES: 1950 TO 1979

[In thousands. Prior to 1960, excludes Alaska and Hawaii. Data represent worker years of full-time equivalent employment by persons working for wages or salaries and by active partners and proprietors of unincorporated businesses. Based on 1972 Standard Industrial Classification. See *Historical Statistics, Colonial Times to 1970*, series T 15-28, for single year data prior to minor revisions issued in 1981]

INDUSTRY	1950	1955	1960	1965	1970	1975	1976	1977	1978	1979
Wholesale and retail	10,764	11,714	12,429	13,109	14,764	16,230	16,800	17,518	18,450	19,052
Wholesale trade	2,814	3,157	3,410	3,633	4,105	4,482	4,647	4,785	5,017	5,284
Retail trade	7,950	8,557	9,019	9,476	10,659	11,748	12,153	12,733	13,433	13,768
Services	7,893	8,352	9,761	11,213	13,250	15,185	15,744	16,571	17,355	18,249
Hotels and other lodging	605	632	668	829	993	1,097	1,100	1,161	1,188	1,215
Personal services	1,207	1,165	1,215	1,308	1,323	1,135	1,167	1,193	1,220	1,251
Misc. business services	394	540	815	1,155	1,655	2,024	2,144	2,317	2,566	2,847
Auto repair, services, garages	310	308	385	440	494	598	635	674	730	781
Misc. repair services	248	252	262	292	312	388	390	412	426	465
Motion pictures	224	192	182	159	180	211	217	231	238	247
Amusement, recreational services	282	272	308	340	397	508	541	569	604	629
Medical, other health services	1,217	1,448	1,763	2,101	2,878	4,046	4,219	4,493	4,816	4,884
Legal services	234	248	297	330	385	465	498	541	575	612
Educational services	473	504	621	792	998	1,184	1,185	1,204	1,200	1,239
Nonprofit member organizations ¹	737	886	1,217	1,477	1,756	1,856	1,898	1,924	2,019	2,108
Misc. professional services	252	357	431	516	726	887	936	1,008	1,112	1,202
Private households	1,710	1,548	1,587	1,476	1,153	786	814	844	841	789

¹ Includes social services.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*; and *Survey of Current Business*, July 1981.

NO. 1464. RETAIL TRADE—SUMMARY: 1948 TO 1977

[Prior to 1958 and as noted, excludes Alaska and Hawaii. 1972 and 1977 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47 and T 79-91]

ITEM	Unit	1948	1954	1958	1963	1967	1972	1977	
Firms, total		1,000	(NA)	(NA)	(NA)	1,532	1,577	1,685	1,567
Multifunit establishments ¹		1,000	163	167	² 183	220	220	291	332
Establishments, total		1,000	1,770	1,722	1,795	1,708	1,763	1,780	1,855
With payroll		1,000	1,119	1,124	1,185	1,206	1,192	1,265	1,304
With sales of \$1,000,000 or more		1,000	(NA)	(NA)	(NA)	(NA)	74	118	
Consumer price index: ³									
All items		1972=100	57.5	64.2	69.1	73.2	79.8	100.0	144.9
All commodities		1972=100	68.5	71.1	74.9	77.4	82.7	100.0	144.5
Sales									
By establishments with payroll		Bil. dol.	130.5	170.0	200.4	244.2	310.2	457.4	723.1
By multifunit establishments ¹		Bil. dol.	118.4	157.9	187.8	233.1	295.2	440.2	699.6
Percent of total sales		Bil. dol.	38.7	51.2	² 67.2	89.5	123.5	201.8	340.7
Percent of multifunit sales by 101-or-more establishment multifunits ¹		Percent	29.6	30.1	33.5	36.6	39.8	44.0	47.1
In 1972 dollars ⁴		Bil. dol.	201.6	245.4	270.7	311.1	370.6	459.0	512.7
Percent of sales by corporations		Percent	46.9	48.4	53.0	61.9	67.4	76.4	79.8
Per capita sales: ⁵									
Current dollars	Dollars		893	1,050	1,151	1,298	1,571	2,204	3,342
Constant (1972) dollars ⁴	Dollars		1,380	1,516	1,554	1,651	1,877	2,204	2,369
Sales, as percent of personal income	Percent		62.1	58.6	² 55.5	52.5	49.3	48.9	47.6
Sales, inside SMSA's ⁶	Bil. dol.		89.9	(NA)	² 133.0	169.8	221.4	(NA)	551.8
Percent of total sales	Percent		62.0	(NA)	66.4	69.5	71.4	(NA)	76.3
Percent of SMSA sales in central cities	Percent		71.4	(NA)	64.0	57.2	55.0	(NA)	(NA)
Payroll, entire year	Bil. dol.		13.6	18.2	21.7	27.6	36.2	55.4	85.9
Percent of sales	Percent		10.4	11.5	² 11.5	11.3	11.7	12.1	11.9
Average weekly wage	Dollars		(NA)	50	52	66	74	95	127
Paid employees, March 12 workweek ⁷	1,000		6,918	7,124	7,942	8,410	9,381	11,211	13,040
Active proprietors of unincorporated businesses	1,000		1,742	1,766	1,825	1,546	1,624	(NA)	(NA)

NA. Not available. ¹ Establishments operated by firms which operate at two or more locations. ² Excludes Alaska and Hawaii. ³ Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*. ⁴ Source: U.S. Bureau of Economic Analysis. ⁵ Based on estimated resident population as of July 1. ⁶ For definition of SMSA, see Appendix II. ⁷ 1948-1963 data for week including November 15.

Source: Except as noted, U.S. Bureau of the Census, *U.S. Census of Business: 1948*, vol. I; *1954*, vol. I; *1958*, vol. I; *1963*, vol. I; *1967*, vol. I; and *Census of Retail Trade, 1972*, RC 72-S-1 and *1977*, RC 77-52.

Domestic Trade and Services

NO. 1465. RETAIL TRADE SALES—SUMMARY: 1967 TO 1981

[Data reflect use of a sample based on definition and classifications according to the 1972 Census of Retail Trade and are adjusted for methodological revision effective in August 1977. Based on Current Business Survey, see Appendix III. Minus sign (–) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series T 197, 245, 246, and 255]

YEAR	CURRENT DOLLARS							CONSTANT (1972) DOLLARS ^a		
	Total sales (bil. dol.)	Per cap- ita ^b (dol.)	Annual per- cent change	Index of sales (1972=100)	Dura- ble goods (bil. dol.)	Nondurable goods (bil. dol.)		Total (bil. dol.)	Per cap- ita ^b (dol.)	Annual per- cent change
						Total	Dept. stores			
1967	293.0	1,484	(^c)	65.2	88.7	204.2	31.1	(NA)	(NA)	(^c)
1968	324.4	1,627	10.7	72.2	101.7	222.7	34.6	371.8	1,864	(NA)
1969	346.7	1,722	6.9	77.2	108.6	239.1	37.0	382.8	1,901	3.0
1970	368.4	1,808	6.3	82.0	109.2	259.2	38.5	391.8	1,922	2.4
1971	406.2	1,970	10.3	90.4	128.8	277.4	43.1	417.0	2,022	6.4
1972	449.1	2,157	10.6	100.0	148.4	300.6	47.3	447.7	2,150	7.4
1973	509.5	2,428	13.4	113.4	172.9	336.6	52.6	478.9	2,282	7.0
1974	541.0	2,559	6.2	120.5	169.4	371.6	55.4	457.0	2,162	-4.6
1975	588.1	2,761	8.7	131.0	183.0	405.2	59.4	459.5	2,157	.5
1976	657.4	3,062	11.8	146.4	217.8	439.6	65.7	488.3	2,275	6.3
1977	725.2	3,344	10.3	161.5	248.7	476.5	73.6	512.7	2,369	5.0
1978	804.7	3,662	11.0	179.2	279.8	524.9	81.5	534.3	2,448	4.2
1979	894.3	4,017	11.1	199.1	304.8	589.5	88.5	542.1	2,463	1.5
1980	956.7	4,169	7.0	213.0	297.9	658.7	94.2	523.9	2,357	-3.4
1981, Jan.-June ^d	518.6	2,268	j ^e 12.9	(X)	164.3	354.4	50.7	267.9	1,172	3.7

NA Not available. X Not applicable. ^a Based on Bureau of the Census estimates of resident population as of July 1, except 1980, as of March 1. ^b Source: Bureau of Economic Analysis. ^c 1966 data not comparable with 1967. ^d Data adjusted for seasonal variation and trading day differences. ^e Change from Jan.-June, 1980.

Source: Except as noted, U.S. Bureau of the Census, *Current Business Reports*, series BR, *Monthly Retail Trade*. Monthly data in U.S. Bureau of Economic Analysis, *Survey of Current Business and Business Conditions Digest*, both monthly.

NO. 1466. RETAIL TRADE—SALES, BY KIND OF BUSINESS: 1967 TO 1981

[In billions of dollars. Based on 1972 Standard Industrial Classification. Data reflect methodological revision effective Aug. 1977. Based on Current Business Survey, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series T 245-271]

KIND OF BUSINESS	1967	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981, Jan.- June ^f
Retail trade, total.....	293.0	368.4	509.5	541.0	588.1	657.4	725.2	804.7	894.3	956.7	518.6
Durable goods stores, total ^g	88.7	109.2	172.9	169.4	183.0	217.8	248.7	279.8	304.8	297.9	164.3
Automotive dealers.....	53.8	62.6	103.3	96.5	106.6	129.8	150.0	167.3	161.1	167.0	92.6
Motor veh., misc. automotive dealers.....	49.7	56.9	94.8	87.5	96.8	116.9	137.1	153.2	161.1	148.8	82.7
Motor vehicle dealers.....	48.0	55.0	88.6	80.6	89.0	111.3	128.8	144.0	150.8	140.1	(NA)
Motor vehicle dealers, franchised.....	45.0	51.8	83.5	76.3	84.2	105.2	121.9	135.8	141.4	130.3	(NA)
Auto and home supply stores.....	4.2	5.6	8.6	9.0	9.9	10.9	12.9	14.0	16.1	18.2	9.8
Building materials, hardware, garden supply, mobile home dealers ^g	13.3	17.6	26.9	27.0	27.0	33.0	38.9	44.8	50.3	48.2	26.9
Building materials, supply stores.....	9.0	11.2	17.2	17.8	18.0	22.5	27.1	31.5	35.3	33.7	18.9
Hardware stores.....	2.8	3.2	4.1	4.5	5.1	5.4	6.1	6.9	7.8	7.7	4.4
Furniture, home furnishings, equip. ^g	14.2	17.7	24.3	26.0	26.9	30.0	33.2	36.5	41.9	44.0	23.3
Furniture, home furnishings stores.....	8.3	10.6	15.2	16.3	16.2	18.0	20.3	22.5	25.7	26.2	14.0
Household appliance, radio, TV.....	5.0	6.0	7.4	7.6	8.3	9.2	10.0	10.5	12.4	13.2	7.0
Nondurable goods stores, total ^g	204.2	259.2	336.6	371.6	405.2	439.6	476.5	525.0	589.5	658.7	354.4
Apparel and accessory stores ^g	16.3	20.2	27.7	28.9	31.3	33.7	35.6	40.0	42.4	44.5	23.8
Men's, boys' clothing, furnishings.....	3.4	4.4	5.9	5.9	6.4	6.5	6.9	7.5	7.8	8.0	4.0
Women's clothing, specialty stores, furriers.....	6.4	7.7	10.6	11.2	12.4	13.4	13.8	15.5	16.2	17.0	9.3
Women's ready-to-wear stores.....	5.3	6.7	9.5	10.1	11.3	12.3	12.4	14.3	15.0	15.6	(NA)
Family clothing stores.....	3.1	3.6	5.7	6.2	6.6	7.2	8.1	8.3	8.7	9.1	(NA)
Shoe stores.....	2.9	3.6	4.5	4.4	4.6	5.0	5.7	6.5	7.4	8.0	4.5
Drug stores and proprietary stores.....	10.8	13.8	17.0	18.4	19.9	21.6	23.2	25.3	28.1	31.6	16.8
Eating and drinking places.....	23.5	31.1	40.4	44.7	51.1	57.2	63.3	70.7	79.6	86.6	47.4
Food stores.....	69.4	88.7	111.4	126.0	138.4	148.0	157.9	174.2	195.8	217.5	116.7
Grocery stores.....	64.2	81.5	103.5	117.2	129.2	138.2	147.8	162.7	182.4	202.1	108.0
Gasoline service stations.....	22.6	29.2	37.0	43.0	47.5	52.0	56.5	59.7	73.2	94.5	51.4
General merchandise group stores ^g	41.0	50.3	67.4	71.2	75.7	81.8	90.7	100.8	109.7	116.3	62.2
Department stores.....	31.1	38.5	52.6	55.4	58.4	65.7	73.6	81.5	88.5	94.2	50.7
Variety stores.....	5.3	6.6	7.4	7.7	8.0	7.2	7.1	7.5	8.4	8.9	4.6
Liquor stores.....	6.6	8.3	10.2	11.0	11.8	12.4	13.0	13.6	15.3	16.6	8.3
Mail-order houses (department store merchandise) ^g	2.7	3.5	5.0	5.4	5.6	6.1	6.8	7.1	5.3	(NA)	(NA)

NA Not available. ^a Adjusted for seasonal variation. ^b Includes kinds of business not shown separately. ^c Includes sales made by mail-order catalog desks in department stores or mail-order firms.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Monthly Retail Trade*.

No. 1467. RETAIL TRADE—SALES, BY GEOGRAPHIC DIVISION AND FOR SELECTED STATES: 1978 TO 1980

[In billions of dollars except per capita. For composition of divisions, see fig. I, inside front cover. Data reflect methodological revision effective Aug. 1977. Based on Current Business Survey, see Appendix III]

GEOGRAPHIC DIVISION AND STATE	1978, total	1979		1980		STATE	1978, total	1979		1980	
		Total	Per capita ¹ (dol.)	Total	Per capita ¹ (dol.)			Total	Per capita ¹ (dol.)	Total	Per capita ¹ (dol.)
Total	804.7	894.2	3,982	956.7	4,224	La.	13.0	14.9	3,600	16.1	3,830
New England	42.9	47.0	3,807	51.0	4,130	Md.	16.4	17.5	4,144	19.6	4,649
Mid-Atlantic	123.9	135.8	3,682	146.8	3,990	Mass.	20.9	22.7	3,955	25.2	4,393
E. No. Central	158.7	170.3	4,093	173.4	4,161	Mich.	36.3	39.7	4,292	40.1	4,331
W. No. Central	64.1	71.4	4,176	73.4	4,271	Minn.	15.3	17.3	4,284	18.0	4,415
So. Atlantic.....	127.7	142.2	3,897	156.4	4,234	Mo.	18.3	20.5	4,193	20.7	4,210
E. So. Central	47.2	51.4	3,532	53.4	3,642	N.J.	27.5	30.0	4,068	31.8	4,318
W. So. Central	82.7	95.7	4,113	107.4	4,523	N.Y.	55.6	61.1	3,465	68.4	3,896
Mountain.....	40.2	45.5	4,091	50.1	4,407	N.C.	18.3	20.2	3,482	21.6	3,677
Pacific	117.3	134.9	4,324	144.8	4,554	Ohio	40.2	43.1	3,991	44.7	4,140
Calif.	87.0	100.9	4,339	108.1	4,567	Pa.	40.8	44.7	3,765	46.6	3,927
Fla.	36.6	42.3	4,466	47.4	4,867	Tenn.	15.2	16.6	3,662	17.3	3,768
Ill.	44.9	47.6	4,167	48.1	4,213	Texas	53.0	61.7	4,443	70.0	4,920
Ind.	20.4	21.7	3,963	21.5	3,916	Va.	18.5	20.8	3,906	23.5	4,396
						Wis.	16.9	18.2	3,901	18.9	4,017

¹ Based on estimated resident population as of July 1 for 1979 and enumerated resident population as of April 1 for 1980.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual and Monthly Retail Trade*.

No. 1468. RETAIL TRADE—SALES OF MULTIUNIT ORGANIZATIONS: 1970 TO 1980

[In billions of dollars. Data based on sales of organizations operating 11 or more retail stores (beginning 1977, those meeting certain sales criteria). Data for 1970–1976 are not comparable with later years due to sample revision. For details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 197-219.]

KIND OF BUSINESS	1970	1973	1974	1975	1976	1977	1978	1979	1980
Total sales.....	117.2	154.5	169.4	183.1	199.6	244.2	270.6	296.8	324.3
<i>Durable goods stores.....</i>	<i>8.6</i>	<i>9.6</i>	<i>9.9</i>	<i>10.3</i>	<i>11.6</i>	<i>18.2</i>	<i>20.5</i>	<i>22.8</i>	<i>23.4</i>
Tire, battery, accessory dealers.....	1.8	2.2	2.2	2.3	2.3	2.6	3.1	3.3	3.5
<i>Nondurable goods stores¹.....</i>	<i>108.6</i>	<i>144.9</i>	<i>159.5</i>	<i>172.8</i>	<i>188.0</i>	<i>226.0</i>	<i>250.1</i>	<i>274.0</i>	<i>300.9</i>
Apparel and accessory stores ¹	5.5	6.6	6.4	6.8	7.0	11.8	13.2	14.3	15.2
Women's apparel, accessories.....	1.9	2.4	2.4	2.6	2.6	4.7	5.5	5.9	6.2
Shoe stores.....	1.5	1.9	1.7	1.8	1.7	2.8	3.1	3.4	3.7
Drug and proprietary stores.....	4.4	5.9	6.5	7.1	8.2	10.4	12.0	13.7	15.7
Food stores.....	44.1	55.9	63.4	69.3	74.4	85.1	92.7	102.5	113.2
Grocery stores.....	43.2	55.2	62.6	68.4	73.5	84.0	91.7	101.3	111.9
General merchandise group ¹	46.1	65.6	70.6	75.6	83.0	79.8	88.4	95.9	102.0
Department stores.....	31.9	46.4	49.8	54.2	60.7	68.8	76.9	83.9	89.2
Variety stores.....	5.4	6.6	7.0	7.4	6.6	5.9	5.8	6.3	6.6

¹ Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual and Monthly Retail Trade*.

No. 1469. DEPARTMENT STORES—SALES, INVENTORIES, AND ACCOUNTS RECEIVABLE: 1975 TO 1980

[Sales and inventories figures reflect revisions based on data derived from the 1977 Annual Retail Trade Report. Covers stores normally employing 25 or more persons and carrying a general line of apparel, homefurnishings, and housewares, with no one of the 3 categories accounting for as much as 80 percent of total sales]

ITEM	Unit	1975	1976	1977	1978	1979	1980
Sales, total.....	Bil. dol.....	59.4	65.7	73.6	81.5	88.5	94.2
Percent department of all retail.....	Percent.....	10.1	10.0	10.2	10.1	9.9	9.8
Inventories (Dec. 31):							
Warehouse and stores.....	Bil. dol.....	9.1	10.1	11.9	13.1	13.7	14.8
Stores only.....	Bil. dol.....	(NA)	(NA)	9.5	10.0	10.6	(NA)
Sales-inventory ratio, stores only ¹	Ratio.....	(NA)	(NA)	7.8	8.1	8.4	(NA)
Accounts receivable (Dec. 31):	Bil. dol.....	11.8	13.0	16.0	17.9	19.4	(NA)
Charge accounts ²	Bil. dol.....	1.2	1.3	1.0	1.1	1.1	(NA)
Installment accounts ³	Bil. dol.....	10.6	11.7	15.0	16.8	18.3	(NA)

NA Not available. ¹ Ratio of annual sales to yearend inventories. ² Full payment is scheduled to be made at end of customary billing period. ³ Receivables scheduled to be paid in 2 or more payments.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual and Monthly Retail Trade*.

Domestic Trade and Services

NO. 1470. RETAIL TRADE—MERCHANTISE INVENTORIES AND SALES-INVENTORY RATIOS:
1977 TO 1979

[As of Dec. 31. Based on Current Business Survey, see Appendix III]

KIND OF BUSINESS	INVENTORIES AT COST ¹ (bill. dol.)				SALES-INVENTORY RATIOS ²			
	Total ²			Retail stores only, 1979	Total ²			Retail stores only, 1979
	1977	1978	1979		1977	1978	1979	
Total.....	87.4	99.2	106.2	94.5	8.3	8.1	8.4	9.5
Total (excluding automotive group).....	65.2	73.9	79.4	68.2	8.8	8.6	9.0	10.5
Durable goods stores ⁴	42.8	49.4	52.7	50.2	5.8	5.7	5.8	6.1
Automotive dealers.....	22.1	25.3	26.8	26.3	6.8	6.6	6.6	6.7
Motor vehicle and misc. automotive dealers.....	19.5	22.5	23.5	23.1	7.0	6.8	6.9	7.0
Motor vehicle dealers.....	17.6	20.2	21.2	21.0	7.3	7.1	7.1	7.2
Motor vehicle dealers (franchised).....	16.8	19.1	20.1	19.8	7.2	7.1	7.1	7.1
Automotive and home supply stores.....	2.6	2.8	3.3	3.1	4.9	5.0	4.9	5.1
Bldg. materials, hardware, garden sup., mobile home dealers.....	7.2	8.0	8.6	8.0	5.4	5.6	5.8	6.3
Building materials, supply, hardware stores.....	6.0	6.6	7.1	6.6	5.5	5.8	6.0	6.6
Building materials and supply stores.....	4.4	4.9	5.3	4.8	6.2	6.4	6.7	7.4
Hardware stores.....	1.6	1.7	1.9	1.8	3.8	4.0	4.2	4.4
Furniture, home furnishings, equipment stores ⁴	6.5	7.6	8.1	7.2	5.1	4.8	5.1	5.8
Furniture, home furnishings.....	3.8	4.4	4.8	4.2	5.3	5.1	5.4	6.1
Furniture stores.....	2.9	3.3	3.7	3.3	4.8	4.7	4.8	5.4
Household appliance, radio, TV.....	1.9	2.2	2.4	2.0	5.1	4.7	5.1	6.1
Household appliance stores.....	.9	1.0	1.1	.9	5.2	5.2	5.6	6.7
Jewelry stores.....	2.1	2.5	2.6	2.5	2.6	2.5	2.5	2.6
Nondurable goods stores ⁴	44.6	49.8	63.5	44.3	10.7	10.5	11.0	13.3
Apparel and accessory stores ⁴	7.3	8.4	8.5	8.1	4.8	4.8	5.0	5.2
Men's, boys' clothing, furnishings.....	1.7	1.9	1.9	1.8	4.0	3.9	4.2	4.3
Women's ready-to-wear stores.....	1.9	2.2	2.2	2.1	6.4	6.5	6.9	7.2
Family clothing stores.....	1.7	1.8	1.8	1.7	4.7	4.6	4.8	5.2
Shoe stores.....	1.4	1.8	1.9	1.7	4.0	3.7	4.0	4.4
Drug and proprietary stores.....	3.8	4.3	4.9	4.3	6.1	5.9	5.8	6.6
Eating and drinking places.....	1.5	1.8	1.8	1.5	42.0	37.5	44.7	51.4
Food stores.....	9.5	10.3	11.5	9.0	16.7	16.8	17.0	21.8
Grocery stores.....	9.1	10.0	11.1	8.5	16.2	16.4	16.5	21.3
Gasoline service stations.....	1.8	1.9	2.3	2.1	30.7	31.7	31.5	34.3
General merchandise group stores.....	15.7	17.7	18.6	14.8	5.8	5.7	5.9	7.4
Dept. stores, misc. general merchandise stores.....	14.1	15.8	16.6	13.1	5.9	5.9	6.1	7.8
Department stores.....	11.9	13.1	13.7	10.6	6.2	6.2	6.4	8.4
Variety stores.....	1.6	1.9	2.0	1.7	4.4	4.0	4.1	4.9
Liquor stores.....	1.4	1.5	1.7	1.5	9.3	9.2	9.1	10.5
Mail order houses (dept. store merchandise).....	1.0	(NA)	(NA)	(NA)	6.5	(NA)	(NA)	(NA)

NA Not available. ¹ Excludes supplies and equipment used in store and warehouse operations that are not for resale.² Includes warehouses. ³ Relates annual sales to yearend inventories. ⁴ Includes kinds of business not shown separately.Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual Retail Trade Report*.

NO. 1471. LARGEST RETAILING COMPANIES—SALES, ASSETS, NET INCOME, AND EMPLOYEES, BY GROUP RANK: 1970 TO 1980

[Sales, assets, and net income in billions of dollars; employees in thousands; except percent. Excludes large privately owned companies that do not publish sales. Includes all operating revenues for fiscal years ending not later than January following year stated.]

RANK BY SALES GROUP	SALES ¹			ASSETS ²			NET INCOME ³			EMPLOYEES ⁴		
	1970	1975	1980	1970	1975	1980	1970	1975	1980	1970	1975	1980
50 largest.....	73.8	121.7	200.8	31.6	50.9	96.3	1.5	2.4	3.9	2,371	2,653	3,240
Lowest ten.....	4.4	7.5	11.5	1.5	5.2	3.3	.1	.2	(-z)	151	197	125
Second ten.....	5.6	10.4	15.7	2.5	3.7	5.9	.1	.1	.3	211	279	259
Third ten.....	9.0	14.1	23.8	4.5	4.7	10.4	.1	.2	.5	294	277	441
Fourth ten.....	13.9	23.4	40.8	4.8	6.4	15.7	.2	.4	.9	366	426	618
Highest ten.....	39.4	66.2	109.3	18.2	26.9	61.1	1.0	1.5	2.3	1,348	1,474	1,797
Percent of total:												
Lowest ten.....	5.9	6.2	5.7	4.8	10.2	3.4	5.1	8.4	(-z)	6.4	7.4	3.9
Second ten.....	9.3	8.6	7.8	7.9	7.3	6.1	5.9	6.0	7.4	8.9	10.5	8.0
Third ten.....	12.3	11.6	11.9	14.3	9.2	10.8	8.4	7.8	13.0	12.4	10.4	13.6
Fourth ten.....	18.9	19.2	20.2	15.3	16.5	16.3	13.5	15.2	23.3	15.4	16.1	19.1
Highest ten.....	53.6	54.4	54.4	57.7	56.8	63.4	67.1	62.6	58.2	56.9	55.8	55.5

Z Less than \$50 million. ¹ Includes sales of subsidiaries when they are consolidated. ² Total assets employed in business at end of fiscal year, less depreciation and depletion. ³ After taxes, special charges, and credits. Minus sign (-) indicates net loss.⁴ As of yearend, or yearly average.Source: Time, Inc., New York, N.Y., adapted from *The Fortune Directory*, July issue. (Copyright.)

Service Stations—Merchandise Lines

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NO. 1472. RETAIL GASOLINE SERVICE STATIONS—NUMBER AND SALES: 1975 TO 1981

[Based on sample surveys. For details, see source]

ITEM	Unit	1975	1976	1977	1978	1979	1980	1981	PERCENT DISTRIBUTION		
									1975	1980	1981
Number of stations (as of July) ¹											
Branded independent ²	1,000	190.3	182.2	178.6	177.8	163.2	159.0	156.0	100.0	100.0	100.0
Nonbranded independent ³	1,000	163.5	154.0	149.3	146.6	137.0	130.9	129.9	85.9	83.4	83.3
Refiner/marketer ⁴	1,000	16.1	17.3	16.4	15.6	14.3	13.6	12.6	8.5	8.7	8.1
Total sales ⁵	Bil. dol.	47.5	51.9	56.5	59.7	73.2	94.5	⁶ 41.8	(X)	(X)	(X)
Gasoline sales	Bil. gal.	76.2	78.0	82.9	82.2	73.5	69.5	⁶ 34.2	100.0	100.0	100.0
Branded independent ³	Bil. gal.	57.2	56.2	58.9	57.7	51.2	47.6	⁶ 23.7	75.0	69.1	69.2
Nonbranded independent ³	Bil. gal.	7.8	8.5	9.8	9.7	8.4	8.4	⁶ 4.0	10.2	11.8	11.6
Refiner/marketer ⁴	Bil. gal.	11.3	13.2	14.3	14.8	13.8	13.5	⁶ 6.0	14.8	19.1	19.2

X Not applicable. ¹ Estimates pertain to those retail outlets that derive at least 50% of their gross revenues from the sale of gasoline. ² Marketer engaged in marketing or distribution pursuant to (a) an agreement or contract with a refiner to use a trademark, trade name, or other identifying symbol or name owned by the refiner or (b) an agreement or contract under which the marketer is granted the authority to occupy premises owned, leased, or in any way controlled by the refiner. ³ Marketer engaged in marketing or distribution but which is not (a) a refiner; (b) controlled by, or controls, or is under common control with, or is affiliated with a refiner; (c) a branded independent marketer. ⁴ An outlet selling to ultimate consumers which is operated by salaried or commissioned personnel of a refiner and/or involves personnel services contracted by the refiner. ⁵ Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Monthly Retail Trade*. ⁶ January-June.

Source: Except as noted, U.S. Energy Information Administration, *Petroleum Market Shares, Report on Retail Sales of Gasoline*, monthly.

NO. 1473. RETAIL TRADE—SALES BY BROAD MERCHANDISE LINES: 1972 AND 1977

[For establishments with payroll. For details on restructuring of merchandise lines between 1972 and 1977, see source]

MERCHANDISE LINES	1972			1977			Sales of specified merchandise lines			As percent of total sales			
	Establishments (1,000)	Sales ¹ (mil. dol.)	Percent of sales	Establishments (1,000)	Total ¹ (mil. dol.)	Establishments handling line							
						All establishments							
Retail trade, total	² 1,265	440,222	100.0	² 1,304	699,635	(X)					100.0		
Groceries and other food	255	86,391	19.6	271	137,506	51.8					19.7		
Meals and snacks	303	29,297	6.7	341	54,735	37.1					7.8		
Alcoholic drinks	131	7,306	1.7	138	9,998	31.9					1.4		
Packaged alcoholic beverages	113	11,286	2.6	138	16,164	15.9					2.3		
Cigars, cigarettes, and tobacco	225	6,110	1.4	231	8,475	4.6					1.2		
Drugs	273	15,655	3.5	110	12,438	11.3					1.8		
Health and beauty aids				166	11,325	5.4					1.6		
Men's, boys' clothing, excluding footwear	97	14,995	3.4	106	22,740	17.3					3.3		
Women's, girls' wear, excluding footwear	181	25,933	5.9	139	36,527	26.3					5.2		
Footwear, exc. infants, toddlers	94	7,673	1.7	98	10,650	8.9					1.5		
Curtains, draperies, and dry goods	83	8,164	1.9	82	10,011	8.6					1.4		
Major household appliances	77	7,339	1.7	72	9,179	9.5					1.3		
Kitchenware and home furnishings	117	6,039	1.4	137	9,881	6.0					1.4		
Small electrical appliances				82	2,849	2.3					.4		
Televisions	100	8,176	1.9	89	9,191	7.8					1.3		
Audio equipment, musical instruments, supplies				72	14,665	14.6					2.1		
Furniture and sleep equipment	69	10,252	2.3	66	5,770	6.0					.8		
Floor coverings	63	3,947	.9	111	8,151	6.4					1.2		
Jewelry	95	4,979	1.1	21	1,361	3.1					.2		
Optical goods													
Sporting goods	75	7,244	1.6	80	9,451	8.7					1.4		
Recreational vehicles				13	3,234	8.9					.5		
Hardware and tools	89	4,876	1.0	94	8,555	7.2					1.2		
Lawn and garden equipment, supplies	80	3,959	.9	99	7,217	6.5					1.0		
Lumber and building materials	78	15,723	3.6	80	26,766	26.2					3.8		
Cars, trucks, powered vehicles	53	66,486	15.1	58	112,285	82.7					16.0		
Automotive fuels and lubricants	236	27,306	6.2	211	48,736	26.4					7.0		
Auto tires, batteries, accessories	235	16,465	3.7	195	21,196	8.9					3.0		
Household fuels ³	27	4,138	.9	23	8,923	47.6					1.3		
All other merchandise	261	21,548	4.9	290	36,683	14.5					5.2		
Nonmerchandise receipts	661	19,236	4.4	282	20,824	8.0					3.0		

X Not applicable. ¹ Includes sales taxes and finance charges in 1972 but not in 1977. ² Detail will not add to total because establishments may carry more than one merchandise line. ³ 1972 includes ice.

Source: U.S. Bureau of the Census; *Census of Retail Trade, 1972*, vol. I, and *1977, Merchandise Line Sales*, RC 77-L.

Domestic Trade and Services

NO. 1474. RETAIL TRADE—ESTABLISHMENTS AND SALES, 1972 AND 1977, AND PAID EMPLOYEES AND PAYROLL, BY STATE: 1977

[1972 data for all establishments adjusted to exclude non-employer direct sellers]

STATE	ALL ESTABLISHMENTS						ESTABLISHMENTS WITH PAYROLL							Percent change, 1972-1977	
	Number (1,000)		Sales ¹ (bil. dol.)		Per capita sales, 1977 ² (dol.)	1972		1977			Paid employees ³ (1,000)	Payroll—entire year (bil. dol.)			
	1972	1977	1972	1977		Number (1,000)	Sales ¹ (bil. dol.)	Number (1,000)	Sales ¹ (bil. dol.)	Sales		Sales	Payroll		
U.S.	1,780.4	1,855.1	457.4	723.1	3,342	1,264.9	440.2	1,303.6	699.6	13,040	85.9	58.9	55.0		
N.E.	105.5	107.2	27.8	40.4	3,299	76.8	26.9	76.8	39.0	764	4.8	45.3	36.2		
Maine	10.4	11.2	2.2	3.6	3,336	7.2	2.1	7.6	3.5	61	.4	62.5	52.7		
N.H.	7.7	8.9	2.0	3.4	3,985	5.6	2.0	6.2	3.3	58	.4	66.8	62.5		
Vt.	5.0	5.7	1.1	1.7	3,480	3.6	1.1	4.0	1.6	30	.2	51.2	47.4		
Mass.	47.5	46.7	13.3	18.5	3,198	35.1	12.8	34.3	17.9	372	2.3	39.5	30.0		
R.I.	8.5	8.1	2.0	2.8	2,991	5.9	1.9	5.8	2.7	54	.3	40.1	32.7		
Conn.	26.4	26.5	7.2	10.4	3,356	19.3	6.9	18.8	10.1	190	1.3	45.1	36.4		
M.A.	308.9	300.5	80.9	112.2	3,028	214.2	77.1	212.0	108.4	2,023	13.8	40.7	35.0		
N.Y.	150.9	142.2	38.0	50.7	2,827	107.3	37.5	102.1	49.0	931	6.5	30.7	26.0		
N.J.	55.6	59.8	16.8	24.3	3,310	39.9	16.2	43.2	23.5	415	2.9	45.5	39.6		
Pa.	101.4	98.7	25.0	37.2	3,157	67.0	23.4	66.7	35.9	677	4.3	53.4	47.5		
E.N.C.	321.1	320.9	89.9	139.9	3,406	232.4	87.3	229.8	136.2	2,539	16.7	56.0	52.6		
Ohio	82.7	82.4	22.8	35.6	3,325	60.6	22.2	59.8	34.7	651	4.3	56.3	51.1		
Ind.	42.9	43.6	11.4	18.3	3,414	31.0	11.1	31.5	17.8	332	2.1	59.6	52.8		
Ill.	86.7	85.0	25.6	39.2	3,493	61.8	25.1	60.3	38.2	732	4.9	52.3	49.1		
Mich.	65.9	67.1	20.5	31.8	3,488	49.1	20.0	48.4	31.1	524	3.7	55.5	56.1		
Wis.	43.0	42.8	9.3	14.9	3,215	29.9	8.9	29.8	14.4	300	1.8	62.7	69.1		
W.N.C.	157.2	158.5	34.9	56.6	3,348	114.8	33.6	113.4	54.7	1,089	6.6	62.7	60.3		
Minn.	33.2	33.6	8.3	13.6	3,409	24.3	8.0	24.1	13.2	271	1.6	63.6	59.3		
Iowa	28.5	28.7	5.8	9.8	3,405	21.3	5.7	21.1	9.5	189	1.1	68.5	66.3		
Mo.	42.4	43.2	10.2	15.9	3,302	30.3	9.9	30.3	15.3	294	1.9	55.7	51.9		
N.Dak.	6.5	6.7	1.3	2.2	3,461	4.9	1.2	5.0	2.2	42	.3	77.8	82.9		
S.Dak.	7.7	7.8	1.3	2.2	3,174	5.6	1.3	5.4	2.1	42	.2	67.1	71.4		
Nebr.	15.3	15.2	3.2	5.1	3,309	11.4	3.1	11.1	5.0	103	.6	61.7	58.3		
Kans.	23.6	23.4	4.7	7.7	3,317	16.8	4.5	16.5	7.4	147	.9	64.8	66.1		
S.A.	271.4	294.0	71.6	113.3	3,309	190.2	69.0	205.9	109.6	2,074	13.3	58.8	57.0		
Del.	4.8	4.9	1.5	2.1	3,674	3.7	1.4	3.8	2.1	39	.3	47.5	38.7		
Md.	26.7	28.3	9.4	14.4	3,475	19.4	9.0	21.3	14.1	262	1.8	55.9	52.0		
D.C.	4.4	4.2	1.8	2.1	3,043	3.8	1.8	3.6	2.1	47	.3	16.3	17.5		
Va.	33.5	37.2	10.0	16.5	3,245	24.5	9.8	27.5	16.1	297	2.0	65.4	60.6		
W.Va.	15.1	14.9	3.3	5.7	3,063	10.2	3.2	10.2	5.5	90	.6	72.7	69.9		
N.C.	47.5	50.6	10.6	16.8	3,054	31.9	10.1	34.2	16.1	294	1.9	58.7	55.3		
S.C.	25.1	26.9	5.2	8.4	2,901	15.8	4.8	17.4	7.9	146	.8	62.7	64.8		
Ga.	43.3	44.6	10.4	15.9	3,157	29.9	10.0	31.0	15.3	285	1.8	53.3	56.8		
Fla.	70.9	82.3	19.4	31.4	3,710	51.0	18.9	57.1	30.5	615	3.7	61.2	61.3		
E.S.C.	117.3	121.7	25.1	41.1	2,970	78.0	23.8	82.2	39.0	698	4.4	63.8	65.6		
Ky.	28.5	30.1	6.1	10.5	3,025	18.2	5.8	20.2	10.0	178	1.1	70.7	68.4		
Tenn.	36.7	38.5	8.4	13.7	3,194	24.6	8.1	26.1	13.1	235	1.5	62.2	63.1		
Ala.	30.8	31.6	6.6	10.7	2,900	20.8	6.2	21.6	10.2	181	1.1	63.3	67.9		
Miss.	21.4	21.5	3.9	6.2	2,592	14.3	3.7	14.3	5.8	103	.6	57.2	62.9		
W.S.C.	193.8	202.5	42.3	73.8	3,402	131.1	40.1	138.8	71.1	1,296	8.3	77.4	77.3		
Ark.	21.1	21.8	3.9	6.4	2,966	13.6	3.6	14.2	6.0	105	.6	66.8	73.1		
La.	31.1	32.0	7.2	12.4	3,160	20.8	6.8	22.2	12.0	219	1.4	76.2	77.4		
Oklahoma	27.4	28.1	5.5	9.2	3,276	18.3	5.2	19.0	8.8	164	1.0	70.4	69.1		
Tex.	114.3	120.6	25.7	45.8	3,578	78.4	24.5	83.4	44.3	809	5.2	80.8	79.4		
Mt.	83.9	96.0	20.9	36.7	3,653	61.4	20.2	67.7	35.7	678	4.3	76.1	76.5		
Mont.	8.2	8.9	1.6	2.8	3,717	6.1	1.5	6.3	2.7	50	.3	77.1	74.0		
Idaho	8.0	8.8	1.7	3.0	3,524	5.8	1.6	6.2	2.9	53	.3	82.9	81.7		
Wyo.	4.2	4.7	.8	1.7	4,074	3.1	.8	3.4	1.6	28	.2	103.9	101.6		
Colo.	21.8	25.7	5.8	9.8	3,743	15.8	5.7	18.1	9.5	190	1.2	66.4	72.6		
N.Mex.	10.6	11.6	2.3	4.0	3,363	7.4	2.2	7.9	3.9	74	.5	77.3	81.6		
Ariz.	17.0	20.0	4.7	8.2	3,544	12.5	4.6	14.1	8.0	154	1.0	72.3	73.2		
Utah	8.9	9.9	2.4	4.1	3,265	6.7	2.3	7.2	4.0	81	.5	75.7	73.1		
Nev.	5.2	6.4	1.6	3.1	4,818	4.0	1.6	4.6	3.0	48	.4	92.7	83.4		
Pac.	221.3	253.7	64.0	109.0	3,727	166.1	62.3	177.0	106.0	1,880	13.8	70.2	64.2		
Wash.	26.7	31.9	7.5	13.5	3,668	21.6	7.3	23.1	13.2	231	1.7	81.5	75.6		
Oreg.	20.4	22.8	5.2	9.3	3,919	15.1	5.0	16.1	9.1	158	1.1	81.5	72.4		
Calif.	163.5	187.9	48.7	81.1	3,703	123.0	47.5	130.1	78.7	1,393	10.3	65.9	60.1		
Alaska	2.8	3.8	.8	1.8	4,433	1.9	.7	2.4	1.8	26	.3	138.9	146.5		
Hawaii	5.9	7.4	1.9	3.3	3,697	4.5	1.8	5.3	3.2	72	.5	77.1	70.4		

¹ Includes sales taxes and finance charges in 1972 but not in 1977. ² Based on estimated resident population as of July 1, 1977. ³ Week including March 12.Source: U.S. Bureau of the Census, *Census of Retail Trade: 1977*, Geographic Area Series, RC 77-A-1 to 52.

Retail Trade

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No. 1475. RETAIL TRADE—ESTABLISHMENTS AND SALES, BY KIND OF BUSINESS, BY STATE: 1977

STATE	TOTAL ¹		FOOD STORES		AUTOMOTIVE DEALERS		GENERAL MERCHANDISE GROUP STORES		EATING AND DRINKING PLACES		GASOLINE SERVICE STATIONS	
	Establishments	Sales (mil. dol.)	Establishments	Sales (mil. dol.)	Establishments	Sales (mil. dol.)	Establishments	Sales (mil. dol.)	Establishments	Sales (mil. dol.)	Establishments	Sales (mil. dol.)
U.S.	1,855,068	723,134	251,971	157,940	139,006	149,952	48,911	93,948	368,066	63,276	176,465	56,468
N.E.	107,239	40,375	13,878	9,354	6,938	6,838	3,115	4,845	21,222	3,617	8,971	2,941
Maine	11,244	3,616	1,822	872	953	724	528	393	1,814	261	933	244
N.H.	8,922	3,387	1,182	826	661	649	321	353	1,542	253	704	237
Vt.	5,736	1,668	815	389	414	308	222	144	920	128	540	140
Mass.	46,745	18,474	5,745	4,210	2,824	2,887	1,295	2,361	9,948	1,828	3,882	1,290
R.I.	8,138	2,802	1,107	639	538	472	184	337	1,829	255	697	216
Conn.	26,454	10,428	3,207	2,418	1,538	1,798	571	1,257	5,169	892	2,215	814
M.A.	300,487	112,229	46,414	26,753	17,046	19,123	6,380	14,759	67,343	10,093	23,589	7,645
N.Y.	142,202	50,698	22,973	12,811	8,608	7,512	2,975	6,645	32,997	4,953	9,245	2,984
N.J.	59,566	24,287	9,026	5,838	3,151	4,225	1,048	3,009	12,985	2,148	5,350	1,804
Pa.	98,719	37,244	14,515	8,304	7,087	7,386	2,357	5,097	21,361	2,992	8,994	2,857
E.N.C.	320,913	139,983	37,328	28,766	22,501	30,435	7,916	19,283	73,934	12,510	32,117	11,701
Ohio.	82,404	35,553	10,834	7,838	5,819	7,713	1,917	5,451	17,982	3,105	8,820	3,117
Ind.	43,643	18,263	4,254	3,685	3,784	4,168	1,183	2,393	8,523	1,520	4,867	1,702
Ill.	84,988	39,215	8,897	7,571	5,379	8,088	2,319	5,129	20,704	3,685	7,815	3,041
Mich.	67,059	31,912	9,038	6,608	4,970	7,433	1,372	4,381	13,836	2,696	6,572	2,591
Wis.	42,819	14,930	4,310	3,084	2,549	3,033	1,125	1,929	12,889	1,524	4,043	1,250
W.N.C.	158,497	56,595	16,121	10,990	12,906	12,437	4,725	7,331	31,084	4,732	17,458	5,279
Minn.	33,602	13,567	3,709	2,456	2,339	2,691	812	1,853	6,315	1,155	3,280	1,194
Iowa....	28,737	9,833	2,529	1,969	2,159	2,231	921	1,164	6,193	806	3,424	954
Mo.	43,219	15,920	4,910	3,295	4,130	3,545	1,543	2,227	8,046	1,321	5,008	1,497
N. Dak.	6,681	2,250	693	370	492	559	178	217	1,493	190	687	202
S. Dak.	7,622	2,184	776	406	531	478	201	193	1,580	190	861	241
Nebr.	15,249	5,145	1,422	972	1,258	1,094	447	686	3,189	474	1,732	530
Kans.	23,387	7,696	2,082	1,522	2,027	1,839	623	991	4,268	596	2,466	661
S.A.	293,992	113,333	47,162	25,437	23,961	23,855	9,364	14,787	47,767	9,331	30,089	9,303
Del.	4,935	2,139	656	474	343	362	139	328	863	164	435	162
Md.	28,344	14,377	4,055	3,198	1,836	2,825	648	2,037	5,726	1,257	2,465	1,210
D.C.	4,213	2,085	538	355	103	202	68	204	1,158	379	250	138
Va.	37,216	16,553	6,163	3,712	3,090	3,540	1,463	2,215	6,356	1,239	3,992	1,481
W. Va.	14,912	5,678	2,662	1,374	1,189	1,285	708	776	2,727	352	1,818	493
N.C.	50,619	16,842	9,206	3,831	4,891	3,769	1,889	1,992	7,123	1,177	5,775	1,360
S.C.	26,897	8,350	5,008	2,022	2,545	1,766	1,020	989	3,796	587	3,001	722
Ga.	44,605	15,916	7,495	3,455	3,895	3,481	1,507	2,132	6,345	1,251	5,066	1,351
Fla.	82,251	31,413	11,379	7,016	6,069	6,645	1,922	4,114	13,673	2,925	7,287	2,386
E.S.C.	121,685	41,091	22,999	9,489	11,683	9,748	4,651	5,001	17,258	2,824	13,066	3,436
Ky.	30,104	10,492	5,603	2,490	2,736	2,292	1,080	1,192	4,413	772	3,452	1,021
Tenn.	38,530	13,710	6,849	3,007	3,702	3,323	1,325	1,764	5,884	990	4,090	1,151
Ala.	31,582	10,705	5,887	2,440	3,196	2,611	1,316	1,308	4,102	691	3,562	810
Miss.	21,469	6,169	4,660	1,552	2,049	1,522	930	737	2,859	371	1,962	454
W.S.C.	202,542	73,844	29,910	16,365	18,915	17,789	5,567	9,397	36,817	5,775	21,206	5,453
Ark.	21,779	6,393	3,595	1,453	2,255	1,539	748	751	3,088	385	2,407	496
La.	32,049	12,417	5,801	3,079	2,428	2,707	1,045	1,669	6,382	997	2,989	858
Okla.	28,119	9,228	3,503	2,096	2,843	2,284	782	1,093	5,101	715	3,063	655
Tex.	120,595	45,816	17,011	9,737	11,388	11,259	2,992	5,884	22,246	3,678	12,747	3,444
Mt.	95,980	36,750	9,466	7,726	7,366	7,959	2,436	4,281	19,261	3,371	9,765	3,097
Mont.	8,880	2,848	890	599	655	604	217	245	2,083	275	968	272
Idaho.	8,846	3,016	968	659	822	700	256	280	1,793	280	830	223
Wyo.	4,692	1,654	331	314	357	344	151	135	866	146	647	214
Colo.	25,675	9,825	2,177	2,008	1,869	2,081	495	1,204	5,004	966	2,485	708
N. Mex.	11,604	4,022	1,254	839	890	934	399	451	2,061	345	1,389	386
Ariz.	20,008	8,170	2,257	1,893	1,487	1,707	520	1,053	4,134	775	1,656	652
Utah.	9,920	4,146	1,011	821	600	952	267	551	1,964	314	1,149	367
Nev.	6,355	3,069	578	593	476	637	131	362	1,356	290	641	295
Pac.	253,733	109,034	28,693	23,062	17,690	21,770	4,757	14,273	53,380	11,025	20,204	7,614
Wash.	31,872	13,503	3,586	2,895	2,640	2,757	586	1,804	6,296	1,358	3,005	947
Oreg.	22,788	9,348	2,729	1,822	1,747	2,083	481	1,256	4,578	879	2,185	655
Calif.	187,904	81,058	21,115	17,267	12,757	16,232	3,251	10,554	40,050	8,052	14,388	5,733
Alaska.	3,781	1,831	387	427	255	241	180	227	799	254	211	103
Hawaii.	7,988	3,294	876	651	291	457	259	632	1,657	484	415	176

¹ Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *Census of Retail Trade, 1977*, Geographic Area Series, RC 77-A-52.

No. 1476. RETAIL TRADE—ESTABLISHMENTS WITH PAYROLL, 1972, AND ESTABLISHMENTS, SALES, AND PERSONNEL, 1977, BY KIND OF BUSINESS

[See also *Historical Statistics, Colonial Times to 1970*, series T 79-196]

KIND OF BUSINESS	1972		1977					
	Establishments with payroll		All establishments		Establishments with payroll			
	Number (1,000)	Sales ¹ (mil. dol.)	Number (1,000)	Sales ¹ (mil. dol.)	Number (1,000)	Sales ¹ (mil. dol.)	Payroll, entire year (mil. dol.)	Paid employees ² (1,000)
Retail trade, total ³	1,264.9	440,222	1,855.1	723,134	1,303.6	699,655	85,854	13,040
Building materials, hardware, garden supply, and mobile home dealers	62.0	22,958	90.4	38,860	65.8	37,793	4,367	470
Building materials, supply stores	31.9	15,027	40.6	27,127	34.0	26,804	2,993	294
Hardware stores	18.5	3,634	26.5	6,087	19.4	5,695	806	112
Retail nurseries, lawn and garden supply stores	3.8	695	15.5	1,789	6.9	1,584	265	36
Mobile home dealers	7.8	3,801	7.8	3,857	5.5	3,709	303	27
General merchandise group stores	44.4	64,669	48.9	93,948	38.4	93,455	12,719	2,017
Department stores ⁴	7.7	51,084	8.8	76,909	8.8	76,909	10,743	1,644
Variety stores	18.4	7,220	17.4	7,095	14.2	6,948	1,002	214
Misc. general merchandise stores	18.3	6,365	22.7	9,944	15.4	9,598	973	159
Food stores ⁵	173.1	96,375	252.0	157,940	171.6	152,745	14,730	1,959
Grocery stores	126.1	90,048	178.8	147,759	126.6	143,938	13,342	1,692
Meat and fish (seafood) markets ⁶	10.7	2,506	16.9	3,780	11.1	3,416	382	56
Fruit stores, vegetable markets	3.1	518	7.8	1,088	3.1	862	80	14
Candy, nut, confectionery stores	6.8	494	9.0	643	4.7	485	77	18
Retail bakeries	15.1	1,547	19.9	2,300	15.9	2,141	624	130
Automobile dealers ⁶	85.1	88,491	139.0	149,952	94.8	147,202	13,304	1,115
Motor vehicle dealers:								
New and used cars	31.6	73,254	30.8	121,863	30.8	121,883	10,279	790
Used cars only	12.8	3,563	37.0	6,945	13.3	5,186	374	42
Auto and home supply stores	29.1	7,271	47.0	12,861	36.8	12,390	1,928	205
Gasoline service stations	183.4	31,440	176.5	56,468	146.5	53,749	3,830	673
Apparel and accessory stores ⁶	105.7	24,115	140.1	35,564	114.8	34,719	5,057	840
Men's and boys' clothing, furnishings	21.0	5,497	22.7	6,943	20.6	6,839	1,098	145
Women's clothing and specialty stores and furriers	40.6	9,173	53.6	13,458	44.4	13,164	1,866	349
Furriers and furnshops	1.0	179	1.9	322	.9	285	46	5
Family clothing stores	13.8	4,815	21.6	8,055	16.0	7,884	1,049	136
Shoe stores	23.4	3,972	27.9	5,650	24.5	5,517	822	121
Furniture, home furnishings, and equipment stores	82.5	21,505	138.6	33,176	91.7	31,568	4,569	513
Furniture, home furnishings stores	47.7	13,512	82.6	20,318	53.4	19,344	2,974	324
Household appliance stores	14.6	3,827	17.6	4,734	12.2	4,520	577	65
Radio, television, and music stores	20.2	4,365	38.4	8,126	26.1	7,705	1,018	123
Eating and drinking places	287.3	35,048	368.1	63,276	308.6	61,307	15,415	3,759
Eating places	208.9	29,313	274.3	55,581	237.7	54,406	14,018	3,425
Drinking places (alcoholic beverages)	78.4	5,735	93.7	7,695	70.9	6,901	1,396	334
Drug and proprietary stores	47.6	15,420	49.6	23,196	47.2	23,057	3,127	460
Drug stores	45.0	14,901	(NA)	(NA)	44.4	22,313	3,050	444
Proprietary stores	2.6	519	(NA)	(NA)	2.8	745	77	15
Miscellaneous retail stores ⁶	193.9	40,202	452.0	70,753	224.2	64,038	8,737	1,235
Liquor stores	33.7	9,342	44.4	12,987	35.1	12,191	913	145
Used merchandise stores	11.9	1,180	49.8	2,850	14.5	2,141	395	61
Misc. shopping goods stores	71.2	10,992	164.6	20,882	88.1	19,004	2,726	440
Sporting goods, bicycle shops	12.4	2,284	31.5	4,655	17.1	4,172	533	77
Book stores	5.0	854	12.7	1,840	7.6	1,722	233	43
Stationery stores	5.1	713	6.4	1,119	4.8	1,057	175	27
Jewelry stores	16.0	2,904	34.1	5,429	19.7	5,010	835	105
Hobby, toy, game shops	4.3	811	18.5	1,768	6.8	1,554	180	34
Camera, photographic supply	3.3	736	5.7	1,171	3.6	1,111	134	17
Gift, novelty, souvenir	12.6	1,037	34.0	2,572	17.1	2,232	331	68
Luggage, leather goods	1.2	187	2.6	370	1.6	347	55	8
Sewing, needlework, piece goods	11.4	1,466	19.1	1,958	10.1	1,788	251	60
Nonstore retail ³	19.7	9,705	32.8	14,440	20.8	14,076	2,374	288
Mail order houses	5.4	4,528	11.0	7,555	6.7	7,437	1,110	126
Automatic merchandising ⁷	5.4	2,829	13.5	3,945	5.7	3,700	655	73
Direct selling establishments ³	8.9	2,349	8.4	2,940	8.4	2,940	609	88
Fuel and ice dealers	15.3	4,601	20.2	10,171	14.7	9,762	1,027	101
Florists	16.5	1,450	29.4	2,400	20.1	2,177	465	88
Cigar stores and stands	2.6	358	3.6	460	2.3	392	42	8
News dealers and newsstands	2.7	347	7.8	533	2.1	380	42	10

NA Not available. ¹ Excludes sales tax and carrying or other charges for credit in 1977; includes them in 1972. ² Pay period including Mar. 12. ³ Excludes nonemployer direct sellers. ⁴ Includes sales from catalog order desks. ⁵ Includes kinds of business not shown separately. ⁶ Including freezer provisioners. ⁷ Vending machines; excludes music and game machines.

Source: U.S. Bureau of the Census, *Census of Retail Trade, 1972*, vol. I, and 1977 U.S. Summary, Geographic Area Series, RC 77-A-52.

Franchising

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No. 1477. FRANCHISING—SUMMARY: 1969 TO 1981

[Franchising is a form of marketing or distribution in which a parent company customarily grants an individual or a company the right, or privilege, to do business in a prescribed manner over a certain period of time in a specified place. The parent company is termed the franchisor; the receiver of the privilege the franchisee; and the right, or privilege, the franchise.]

ITEM	UNIT	1969	1970	1974	1975	1976	1977	1978	1979	1980 ¹	1981 ¹
Number of franchised establishments.....	1,000.....	384	396	441	435	443	451	452	452	458	476
Company-owned ²	1,000.....	69	72	79	81	83	86	85	85	86	88
Franchisee-owned	1,000.....	315	324	362	354	360	365	367	367	372	388
Sales of products and services.....	Bil. dol.....	116	120	173	191	222	253	287	312	333	376
Company-owned ²	Bil. dol.....	22	23	28	33	38	44	39	47	52	52
Franchisee-owned	Bil. dol.....	94	96	147	162	189	215	243	273	286	324
Average sales per establishment.....	\$1,000.....	302	302	393	439	500	582	635	690	728	790
Employment.....	1,000.....	(NA)	(NA)	3,447	3,511	3,792	4,151	4,496	4,605	(NA)	(NA)

NA Not available. ¹ Estimated by respondents to annual survey of franchisors. ² Represents establishments owned by the parent company.

Source: U.S. Dept. of Commerce, Bureau of Industrial Economics, *Franchising in the Economy, 1979-81*.

No. 1478. FRANCHISING—NUMBER OF ESTABLISHMENTS AND SALES, BY KIND OF FRANCHISED BUSINESS: 1970 TO 1981

[See headnote, table 1477, for definition of franchising]

KIND OF FRANCHISED BUSINESS	NUMBER OF ESTABLISHMENTS (1,000)						SALES (mil. dol.)					
	1970	1975	1978	1979	1980 ¹	1981 ¹	1970	1975	1978	1979	1980 ¹	1981 ¹
All franchising, total	398.3	434.5	451.8	452.5	457.5	476.3	119,758	190,931	287,306	312,188	332,952	376,443
Auto and truck dealers ²	37.2	31.8	31.7	33.0	32.3	32.0	58,812	94,497	151,159	155,738	143,136	164,606
Percent.....	9.4	7.3	7.0	7.3	7.1	6.7	49.1	49.5	52.6	49.9	43.0	43.7
Restaurants (all types)...	32.6	43.0	55.3	58.9	63.0	68.6	4,602	12,262	21,100	24,766	27,716	31,487
Percent.....	8.2	9.9	12.2	13.0	13.8	14.4	3.8	6.4	7.3	7.9	8.3	8.4
Gasoline service stations ³	222.0	189.5	172.3	164.8	158.5	152.0	29,340	47,387	60,884	71,894	96,338	105,850
Percent.....	55.6	43.6	38.1	36.4	34.6	31.9	24.5	24.8	21.2	13.0	28.9	28.1
Retailing (nonfood)	30.7	37.2	35.6	36.8	37.1	39.5	13,133	9,031	9,335	8,902	9,451	10,565
Percent.....	7.7	8.6	8.1	8.1	8.1	8.3	11.0	4.7	3.2	2.9	2.8	2.8
Auto, truck rental services.....	10.7	6.5	7.2	7.5	7.7	8.0	1,177	1,475	2,526	2,890	3,071	3,401
Automotive products and services ⁴	20.4	47.5	47.2	45.1	44.3	47.0	1,936	5,006	6,803	7,227	7,235	7,750
Business aids and services.....	10.5	22.2	38.7	41.0	45.2	53.5	723	1,397	5,046	6,280	7,018	8,940
Employment services.....	2.9	2.7	3.8	4.2	4.6	5.2	516	553	1,114	1,417	1,586	1,883
Tax preparation services	4.7	7.5	8.6	8.7	9.2	9.6	85	161	242	256	292	339
Accounting, credit, collection, and general.....	1.1	3.5	3.1	3.0	2.8	3.2	20	165	148	128	118	139
Other.....	1.7	8.3	23.2	25.1	28.6	35.5	101	518	3,543	4,479	5,022	6,579
Campgrounds	(NA)	1.0	1.0	1.0	1.0	1.0	(NA)	61	113	97	108	121
Construction, home improvement, maintenance, and cleaning.....	.7	10.8	13.3	14.1	14.9	16.6	63	639	1,269	1,382	1,430	1,665
Convenience stores.....	8.8	13.5	14.1	14.7	15.5	16.5	1,727	3,906	5,013	6,132	8,909	7,628
Educational products and services	4.9	1.3	2.3	2.7	3.1	3.6	86	173	284	267	319	365
Equipment rental services	(^a)	1.4	1.5	1.7	1.8	2.0	(^a)	157	236	289	323	353
Food retailing ⁵	(NA)	11.8	14.7	14.5	15.3	16.3	(NA)	1,445	6,120	6,512	7,176	7,893
Hotels and motels	3.4	5.4	5.2	5.3	5.6	5.9	3,540	4,540	5,651	6,625	7,380	8,108
Laundry, dry cleaning services	4.1	3.2	2.7	2.7	2.7	2.9	144	214	245	268	285	317
Recreation, entertainment, travel.....	2.7	3.4	4.1	4.3	4.5	4.9	77	162	291	360	433	544
Soft drink bottlers ²	2.7	2.4	2.1	2.0	1.9	1.8	4,102	8,165	10,946	12,194	14,146	16,128
Miscellaneous.....	4.8	2.7	1.7	2.5	3.2	4.2	295	414	284	363	466	621

NA Not available. ¹ Estimated by respondents. ² Estimated by source on basis of Bureau of the Census and trade association data. ³ Equipment rental services included with auto, truck rental services. ⁴ Includes some establishments with significant sales of nonautomotive products such as household appliances, garden supplies, etc. ⁵ Excludes convenience stores. ^a Includes soft drinks, fruit drinks and ades, syrups, flavoring agents and bases. Excludes independent private label and contract-filler bottling companies, which accounted for 22 percent in 1981 of the value of shipments of the total industry.

Source: U.S. Dept. of Commerce, Bureau of Industrial Economics, *Franchising in the Economy, 1979-81*.

Domestic Trade and Services

NO. 1479. WHOLESALE TRADE—SUMMARY: 1948 TO 1977

[Prior to 1958, excludes Alaska and Hawaii. 1972 and 1977 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47, and T 274-279]

ITEM	UNIT	1948	1954	1958	1963	1967	1972	1977
Firms, total.....	1,000.....	(NA)	(NA)	(NA)	292	233	276	289
Establishments, total.....	1,000.....	216	250	287	308	311	370	383
With sales of \$1,000,000 or more.....	1,000.....	21	(NA)	(NA)	62	75	103	152
Sales, all establishments.....	Bil. dol.	180.6	234.0	285.7	358.4	459.5	695.2	1,258.4
Merchant wholesalers.....	Bil. dol.	76.5	100.1	122.1	157.4	206.1	353.9	676.1
Inventories, end of year.....	Bil. dol.	10.0	13.0	15.0	20.1	28.1	45.7	82.3
Payroll, entire year.....	Bil. dol.	7.7	10.9	13.2	18.1	23.9	36.9	58.3
Paid employees, Mar. 15 workweek ¹	1,000.....	2,305	2,555	2,808	3,089	3,519	4,026	4,397
Active proprietors of unincorporated businesses.....	1,000.....	131	150	158	133	122	(NA)	(NA)

NA Not available. ¹ 1948-1963 data for workweek including Nov. 15.

Source: U.S. Bureau of the Census, *U.S. Census of Business: 1948*, vol. IV; *1954*, vol. III; *1958*, vol. III; *1963*, vol. IV; *1967*, vol. III; and *Census of Wholesale Trade: 1972*, vol. I and *1977*, WC 77-A-52.

NO. 1480. WHOLESALE TRADE—MERCHANT WHOLESALERS SALES, STOCKS, AND STOCK-SALES RATIO: 1960 TO 1981

[In billions of dollars, except ratios. Data reflect methodological revision effective August 1977. Based on Current Business Survey, see Appendix III. See *Historical Statistics, Colonial Times to 1970*, series T 375-383, for sales]

ITEM	1960 ¹	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981 ²
All establishments: Sales ⁴	139.9	187.3	287.3	456.2	573.0	559.5	608.3	671.8	776.6	915.2	1,043.9	582.8
Stocks, end of year ²	14.1	18.3	32.8	45.4	56.9	56.7	64.1	72.3	83.5	93.8	105.5	107.2
Stock-sales ratio ⁵	1.22	1.15	1.29	1.11	1.07	1.21	1.19	1.21	1.21	1.17	1.14	1.09
Durable goods: Sales ⁴	58.6	82.9	127.2	202.0	246.8	229.5	257.4	297.3	354.2	410.1	438.4	243.7
Stocks, end of year ²	8.1	10.6	19.7	27.4	35.3	36.7	41.4	47.0	54.4	60.3	67.9	70.6
Stock-sales ratio ⁵	1.69	1.49	1.77	1.53	1.50	1.89	1.83	1.77	1.72	1.68	1.75	1.70
Nondurable goods: Sales ⁴	81.3	104.5	160.1	254.1	326.2	329.9	350.9	374.6	422.4	505.1	605.4	339.1
Stocks, end of year ²	6.0	7.4	13.1	18.0	21.7	20.0	22.7	25.3	29.1	33.5	37.6	36.8
Stock-sales ratio ⁵.....	.89	.87	.91	.77	.74	.73	.73	.77	.78	.75	.70	.65

¹ Excludes Alaska and Hawaii. ² Seasonally adjusted. ³ January to June. ⁴ Annual totals. ⁵ Source: U.S. Bureau of Economic Analysis. In *Survey of Current Business*, monthly. Ratio of average stocks to average monthly sales. Average stocks based on weighted averages of end-of-month figures.

Source: Except as noted, U.S. Bureau of the Census. In *Current Business Reports*, series BW, *Monthly Wholesale Trade*.

NO. 1481. WHOLESALE TRADE, BY TYPE OF OPERATION AND KIND OF BUSINESS: 1972 AND 1977

[See also *Historical Statistics, Colonial Times to 1970*, series T 274-287 and T 352-369]

TYPE OF OPERATION AND KIND OF BUSINESS	ESTABLISHMENTS (1,000)		SALES ¹ (1,000)		PAYROLL ² (mil. dol.)		PAID EMPLOYEES ³ (1,000)	
	1972	1977	1972	1977	1972	1977	1972	1977
Wholesale trade	369.8	382.8	695,224	1,258,400	36,893	58,290	4,026	4,397
Merchant wholesalers.....	290.0	307.3	353,919	676,058	25,916	42,067	3,023	3,368
Manufacturers' sales branches, offices.....	47.2	40.5	255,679	451,855	9,029	13,241	795	806
Merchandise agents, brokers.....	32.6	35.1	85,626	130,488	1,948	2,981	208	222
Kind of business:								
Motor vehicles, automotive equipment.....	36.5	39.9	83,016	147,112	3,415	5,148	392	423
Furniture, home furnishings.....	9.5	11.1	12,359	22,032	926	1,445	97	110
Lumber, construction materials.....	15.9	15.7	28,095	46,179	1,725	2,502	181	180
Sporting, recreational, photographic goods ⁴	6.7	6.6	11,146	16,521	852	1,024	85	77
Metals and minerals, except petroleum.....	8.0	9.4	43,488	80,299	1,358	2,178	127	133
Electrical goods.....	21.2	24.9	49,349	69,999	2,603	3,922	257	277
Hardware, plumbing, heating equipment.....	17.4	18.6	18,600	30,605	1,714	2,576	181	194
Machinery, equipment, supplies.....	73.8	84.0	80,692	165,057	8,000	14,350	800	986
Paper, paper products.....	10.7	11.7	17,280	32,509	1,291	2,103	130	149
Drugs, drug proprietaries ⁵	4.0	3.6	12,666	19,445	803	1,148	88	89
Apparel, piece goods, notions.....	12.4	13.0	27,933	39,895	1,389	1,830	134	131
Groceries and related products.....	38.5	38.0	106,457	182,905	4,834	7,469	580	602
Farm-product raw materials.....	14.8	14.8	52,401	110,332	709	1,273	118	135
Chemicals, allied products.....	6.4	8.5	24,621	51,661	885	1,603	78	100
Petroleum, petroleum products.....	31.3	22.6	46,284	116,780	1,547	2,249	194	179
Beer, wines, distilled alcoholic beverages.....	7.0	6.7	19,885	26,979	1,185	1,841	111	122
Miscellaneous	55.7	54.9	60,952	100,090	3,658	5,628	474	511

¹ Includes sales taxes and finance charges in 1972 but not in 1977. ² Entire year. ³ Week including Mar. 12.

⁴ Includes toys, hobby goods, and supplies. ⁵ Includes druggists sundries.

Source: U.S. Bureau of the Census, *Census of Wholesale Trade, 1972*, vol. I, and *1977*, Geographic Area Series, WC 77-A-52.

NO. 1482. WHOLESALE TRADE—SUMMARY, BY STATES: 1972 AND 1977

STATE	1972			1977			Paid employees (1,000)	Merchant wholesalers		
	Establishments	Sales (bil. dol.)	Payroll, entire year (mil. dol.)	Establishments	Sales (bil. dol.)	Payroll, entire year (mil. dol.)		Establishments	Sales (bil. dol.)	
U.S.	369,791	695.2	36,893	382,837	1,258.4	58,290	49.1	4,397	307,264	676.1
N.E.	18,577	33.9	2,053	18,930	58.4	2,969	49.1	225	15,252	32.0
Maine	1,625	1.9	125	1,580	2.8	178	50.4	17	1,380	2.0
N.H.	1,092	1.1	86	1,223	2.0	148	49.2	12	1,016	1.6
Vt.	714	.7	50	746	1.0	75	49.5	7	664	.8
Mass.	9,226	19.3	1,119	9,107	30.2	1,550	49.2	113	7,177	14.8
R.I.	1,479	2.1	142	1,480	3.1	206	50.3	17	1,280	2.1
Conn.	4,441	8.8	530	4,694	19.2	812	48.5	59	3,735	10.7
M.A.	69,469	164.6	8,226	68,682	274.4	11,585	47.1	804	55,613	154.1
N.Y.	39,984	100.4	4,686	38,149	165.4	6,115	46.1	411	31,324	103.2
N.J.	11,754	31.8	1,661	12,997	55.3	2,652	45.9	182	10,346	25.7
Pa.	17,731	32.4	1,878	17,536	53.7	2,818	50.7	211	13,941	25.1
E.N.C.	68,175	137.3	7,408	67,201	249.0	11,580	50.7	818	52,770	119.8
Ohio	16,721	33.7	1,858	16,643	61.7	2,928	51.2	212	12,532	27.2
Ind.	8,903	13.4	789	8,875	25.4	1,224	50.6	97	7,352	14.6
Ill.	21,491	52.8	2,684	21,237	87.1	4,207	49.9	280	16,499	47.9
Mich.	12,827	26.5	1,398	12,572	45.2	2,109	51.2	141	9,813	19.3
Wls.	8,233	10.8	670	7,874	19.6	1,112	51.2	86	6,574	10.8
W.N.C.	41,111	64.5	3,101	39,814	119.7	5,133	49.3	407	32,739	69.9
Minn.	8,716	15.1	786	8,625	29.1	1,284	50.5	94	6,823	16.0
Iowa	8,204	10.0	491	7,646	20.1	825	46.0	69	6,509	14.0
Mo.	10,136	20.7	998	10,007	35.1	1,520	50.6	116	7,889	18.2
N. Dak.	2,382	2.2	105	2,126	3.9	198	50.9	17	1,869	2.7
S. Dak.	2,098	2.0	89	1,897	3.4	162	49.8	15	1,668	2.0
Nebr.	4,262	6.4	282	4,164	10.6	494	48.9	42	3,573	6.4
Kans.	5,313	8.2	351	5,349	17.5	653	48.2	54	4,408	10.5
S.A.	49,836	87.5	4,803	54,186	153.2	7,519	50.7	622	43,471	71.5
Del.	733	2.5	132	770	5.2	192	51.0	12	649	1.2
Md.	4,746	10.2	580	5,019	16.9	902	52.7	67	3,952	8.1
D.C.	741	1.7	135	594	2.2	169	54.4	11	480	1.2
Va.	5,772	10.3	589	6,254	19.1	955	52.4	79	5,017	9.1
W. Va.	2,248	2.4	182	2,372	4.5	300	50.2	25	1,974	2.8
N.C.	8,892	15.9	803	9,571	27.5	1,254	51.1	108	7,629	12.0
S.C.	3,886	4.7	283	4,112	8.3	462	50.6	42	3,501	5.0
Ga.	9,368	19.8	946	10,085	35.5	1,462	50.4	118	7,551	13.1
Fla.	13,450	20.0	1,154	15,409	34.4	1,822	48.8	159	12,718	19.1
E.S.C.	20,630	33.3	1,698	21,844	63.9	2,860	50.5	248	17,772	36.6
Ky.	4,709	7.0	372	5,133	13.5	647	49.9	56	4,189	7.4
Tenn.	7,002	14.8	682	7,406	29.3	1,127	50.9	93	5,851	15.9
Ala.	5,434	7.5	423	5,713	14.2	705	50.7	64	4,709	8.1
Miss.	3,485	3.9	221	3,592	7.0	380	50.0	36	3,043	5.3
W.S.C.	39,537	62.2	3,218	42,323	127.4	5,810	49.4	478	33,983	71.8
Ark.	3,580	3.4	204	3,685	6.8	362	50.6	34	3,183	5.1
La.	6,418	9.8	544	6,800	19.6	956	50.1	81	5,558	12.5
Okla.	5,205	6.8	350	5,488	13.4	639	60.3	53	4,496	7.7
Tex.	24,334	42.2	2,120	26,370	87.7	3,853	49.0	310	20,746	46.5
Mt.	17,059	21.8	1,283	19,040	41.6	2,357	50.2	194	15,285	24.6
Mont.	1,796	1.6	92	1,815	3.0	162	49.7	14	1,512	2.0
Idaho	1,939	1.7	110	2,037	3.2	211	49.4	20	1,701	2.4
Wyo.	803	.7	33	879	1.9	76	48.2	6	699	1.6
Colo.	4,754	8.0	436	5,457	15.6	791	50.8	61	4,197	7.9
N. Mex.	1,768	1.5	102	1,969	2.7	192	49.5	17	1,647	1.9
Ariz.	3,097	4.4	271	3,587	8.1	471	50.0	39	2,877	4.4
Utah.	2,086	2.9	174	2,301	5.4	328	51.4	27	1,607	3.0
Nev.	816	.9	67	995	1.7	127	49.3	9	845	1.3
Pac.	45,397	90.0	5,105	50,917	170.7	8,478	47.6	601	40,379	95.6
Wash.	6,532	10.0	607	7,091	19.9	1,085	48.5	77	5,512	12.1
Creg.	4,591	9.3	463	4,904	18.1	765	48.3	53	3,899	11.4
Calif.	32,431	68.6	3,866	36,704	128.6	6,334	47.3	449	29,223	70.0
Alaska	506	.6	44	649	1.6	116	51.6	6	484	.8
Hawaii	1,337	1.6	124	1,569	2.6	178	47.2	15	1,261	1.4

¹ Includes sales (or other taxes) and carrying charges or other charges for credit in 1972, but not for 1977. ² For week including March 12.

Source: U.S. Bureau of the Census, *Census of Wholesale Trade: 1972*, vol. II, and *1977, Geographic Area Series*, WC 77-A-1-52.

NO. 1483. MERCHANT WHOLESALERS—ESTIMATED SALES, BY KIND OF BUSINESS: 1967 TO 1981

[In billions of dollars. Data reflect methodological revision effective August 1977. Based on Current Business Survey, see Appendix III. See *Historical Statistics, Colonial Times to 1970*, series T 280-371, for related data]

KIND OF BUSINESS	1967	1970	1975	1977	1978	1979	1980	1981, Jan.- June ¹
Merchant wholesalers	233.4	287.3	559.5	671.8	776.6	915.2	1,043.9	582.8
Durable goods, total²	99.7	127.2	229.5	297.3	354.2	410.0	438.4	243.7
Motor vehicles and automotive equipment	14.1	21.4	39.7	55.1	66.3	75.5	81.6	45.4
Furniture and home furnishings	4.3	5.5	8.3	11.1	12.6	13.9	15.6	11.8
Lumber and construction materials	9.2	11.6	17.3	27.6	33.7	37.1	33.2	17.4
Electrical goods	12.4	15.0	22.7	30.4	36.2	41.8	46.4	26.4
Hardware, plumbing, and heating equipment	8.7	10.5	15.2	19.9	23.3	26.8	27.6	15.4
Machinery, equipment, and supplies	28.7	33.8	69.2	85.7	99.2	116.0	129.0	71.6
Nondurable goods, total²	133.6	160.1	328.9	374.6	422.4	505.1	605.4	339.1
Paper and paper products	6.4	7.4	11.2	15.0	17.0	19.3	21.6	12.2
Drugs, proprietaries, and sundries	4.7	5.6	8.8	10.1	10.7	11.6	13.1	7.5
Apparel, piece goods, and notions	8.9	10.2	14.7	17.9	21.4	23.0	25.8	14.0
Groceries and related products	42.5	54.4	95.6	111.6	125.8	136.5	149.9	81.3
Farm-product raw materials	24.0	24.8	83.3	80.2	92.7	106.4	120.2	64.9
Beer, wine, and distilled beverages	10.4	13.1	19.4	22.4	25.9	29.2	31.7	16.7
Petroleum and petroleum products	(S)	(S)	(S)	59.5	66.9	103.0	158.2	97.7

S Data do not meet publication standards. ¹ Seasonally adjusted. ² Includes kinds of business not shown separately.

NO. 1484. MERCHANT WHOLESALERS—INVENTORIES AND STOCK-SALES RATIOS, BY KIND OF BUSINESS: 1970 TO 1981

[Data reflect methodological revision effective August 1977. Based on Current Business Survey, see Appendix III]

KIND OF BUSINESS	INVENTORIES ¹ (bil. dol.)						STOCK-SALES RATIOS ³ (percent)					
	1970	1975	1978	1979	1980	1981, June	1970	1975	1978	1979	1980	1981, June
Merchant wholesalers	32.8	56.7	83.5	93.8	105.5	107.2	133	119	122	114	108	112
Durable goods, total⁴	19.7	36.7	54.4	60.3	67.9	70.6	184	184	170	169	172	172
Motor vehicles, automotive equipment	2.9	6.6	9.6	10.3	11.6	11.2	153	174	164	153	162	147
Furniture and home furnishings .....	.7	1.2	1.8	2.0	2.2	2.3	148	162	159	170	166	160
Lumber, construction materials	1.2	2.0	3.3	3.6	3.5	3.7	124	126	107	121	117	134
Electrical goods	2.3	3.5	5.4	5.8	6.7	7.2	184	171	171	166	162	164
Hardware, plumbing, heating equipment	1.8	2.7	3.9	4.6	4.8	5.0	197	207	186	200	201	190
Machinery, equipment, and supplies	6.8	13.0	19.2	21.2	24.3	25.7	243	222	206	208	204	211
Nondurable goods, total⁴	13.1	20.0	29.1	33.5	37.6	36.6	94	72	79	72	66	67
Paper and paper products .....	.7	1.0	1.4	1.7	1.8	2.0	111	100	91	98	96	96
Drugs, proprietaries, and sundries .....	.7	1.0	1.5	1.5	1.6	1.7	136	129	159	148	137	131
Groceries and related products	2.4	4.4	6.6	6.9	7.9	8.0	54	56	59	59	58	58
Beer, wine, and distilled beverages	1.2	1.7	2.5	2.7	2.9	3.0	105	105	111	110	109	107
Petroleum and petroleum products	(S)	(S)	2.3	3.8	4.9	5.4	(S)	(S)	39	35	30	33

S Data do not meet publication standards. ¹ As of end of year, except 1981. Adjusted for seasonal variations.

² Preliminary. ³ Based on December adjusted sales and inventory estimates, except as indicated. ⁴ Includes kinds of business not shown separately.

Source of tables 1483 and 1484: U.S. Bureau of the Census, *Current Business Reports*, series BW, *Monthly Wholesale Trade*.

NO. 1485. MERCHANT WHOLESALERS—ESTABLISHMENTS, SALES, AND PAYROLL, BY SALES SIZE OF ESTABLISHMENTS: 1977

SALES SIZE	Establishments (1,000)	Total sales (mil. dol.)	Percent sales	Payroll (mil. dol.)	SALES SIZE	Establishments (1,000)	Total sales (mil. dol.)	Percent sales	Payroll (mil. dol.)
All establishments	307.3	676,058	100.0	42,067	With annual sales of—Con.				
Operated all year	281.7	656,670	97.1	40,942	\$1,000,000-\$1,999,999.....	44.6	63,112	9.3	6,397
With annual sales of—					\$2,000,000-\$4,999,999.....	37.0	114,684	17.0	9,578
Less than \$100,000.....	27.1	1,565	.2	270	\$5,000,000-\$9,999,999.....	13.3	91,662	13.6	6,148
\$100,000-\$199,999.....	32.2	4,724	.7	720	\$10,000,000-.....				
\$200,000-\$299,999.....	26.5	6,531	1.0	933	\$19,999,999.....	5.6	75,666	11.2	4,316
\$300,000-\$499,999.....	38.6	15,095	2.2	2,003	\$20,000,000 and over.....	3.6	245,457	36.3	6,056
\$500,000-\$999,999.....	53.2	38,173	5.6	4,521	Not operated all year.....	25.5	19,388	2.9	1,126

Source: U.S. Bureau of the Census, *Census of Wholesale Trade, 1977*, Size Report, WC 77-S-1.

Selected Services—Hotels and Motels

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No. 1486. SELECTED SERVICES—SUMMARY: 1948 TO 1977

[Prior to 1958, excludes Alaska and Hawaii. 1972 and 1977 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47 and T 391-401.]

ITEM	Unit	1948	1954	1958	1963	1967	1972	1977
Firms, total	1,000.....	(NA)	(NA)	(NA)	1,017	1,136	1,1525	1,1764
Single unit establishments	1,000.....	(NA)	751	928	1,001	1,130	1,1505	1,1745
Multimunit establishments ²	1,000.....	(NA)	35	51	61	58	85	90
Establishments, total	1,000.....	665	785	979	1,062	1,198	1,590	1,835
With payroll.....	1,000.....	370	375	444	504	521	684	725
Receipts, total	Bil. dol.	13.3	23.5	32.5	44.6	60.5	113.0	179.5
For establishments with payroll	Bil. dol.	12.2	21.3	29.1	41.0	55.5	103.2	164.2
Average receipts per establishment.....	\$1,000.....	32.9	50.7	65.5	81.3	106.5	151.0	226.5
For establishments without payroll	Bil. dol.	1.1	2.2	3.4	3.6	5.0	9.7	15.3
Average receipts per establishment.....	\$1,000.....	3.8	5.5	6.3	6.4	7.5	10.7	13.8
By multimunit establishments ²	Bil. dol.	(NA)	5.7	9.2	13.9	22.0	37.8	63.5
Percent of total receipts	Percent.....	(NA)	24.3	28.3	31.1	36.4	39.5	35.4
Payroll entire year	Bil. dol.	4.2	6.5	9.0	12.2	17.5	33.4	56.1
Paid employees, March 12 workweek ³	1,000.....	2,100	2,362	2,904	3,262	3,841	5,305	6,337
Active proprietors of unincorporated businesses.....	1,000.....	667	781	996	1,017	1,082	(NA)	(NA)

NA Not available. ¹ Includes architectural, engineering, surveying, legal services, and dental labs. ² Establishments operated by firms at two or more locations. ³ 1977 receipts reflect commissions, fees, and other income of advertising agencies rather than gross billings as in previous censuses. (For 1972, the comparable receipts figure is \$105.4 billion.) * 1948-1963 data for Nov. 15 workweek.

Source: U.S. Bureau of the Census, *U.S. Census of Business: 1948*, vol. VI; *1954*, vol. V; *1958*, vol. V; *1963*, vol. VI; *1967*, vol. V, Part 1; and *Census of Selected Service Industries*, 1972, vol. I, and 1977, SC 77-A-52.

No. 1487. SELECTED SERVICES—RECEIPTS, BY KINDS OF BUSINESS: 1972 TO 1980

[In millions of dollars. Data reflect methodological revision effective August 1977. Based on Current Business Survey, see Appendix III. Jan.-June data adjusted for seasonal variation and trading day differences]

KIND OF BUSINESS	1972	1974	1975	1976	1977	1978	1979	1980
Selected services, total	93,439	114,395	123,000	141,098	159,191	181,366	210,125	237,463
Hotels, motels, tourist courts, camps, and trailer parks	10,574	12,396	13,689	15,818	17,188	20,164	23,469	25,102
Hotels, motels, and tourist courts	10,027	11,757	13,002	15,129	16,413	19,443	22,226	23,638
Personal services ¹	13,908	14,843	15,661	16,788	18,374	20,255	22,205	23,589
Laundry, cleaning, and garment services	5,719	5,791	6,004	6,231	6,771	7,503	8,131	8,819
Beauty shops	3,007	3,313	3,376	3,529	4,176	4,734	5,150	5,443
Barber shops	885	885	947	958	1,104	1,113	1,158	1,232
Business services	37,754	47,494	50,551	59,295	67,691	78,184	93,683	111,160
Advertising	10,584	12,422	12,771	15,584	17,233	19,941	23,273	25,519
Automotive repair, services, and garages	12,040	15,142	16,582	18,816	21,415	24,942	29,336	32,117
Automotive repair shops	7,024	9,310	10,565	12,071	13,386	15,236	17,716	18,708
Miscellaneous repair services	5,785	8,097	8,908	10,301	12,708	14,623	15,782	17,168
Amusement and recreation services, incl. motion pictures	13,378	16,423	17,609	20,080	21,815	23,198	25,750	28,327

¹ Includes services not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BS, *Monthly Selected Services Receipts*.

No. 1488. HOTEL AND MOTOR HOTEL OPERATIONS—OCCUPANCY RATIO, SALES INDEXES, AND ROOM RATE INDEX: 1960 TO 1980

[Excludes Alaska and Hawaii. Based on reports from approximately 500 lodging establishments]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Occupancy ratio (percent).....	65	62	55	54	62	66	65	62	66	68	72	71	67
Sales Indexes (1967 = 100):													
Total sales.....	94	94	107	107	113	121	128	132	147	163	188	210	234
Room sales.....	90	91	112	113	121	129	137	145	164	185	218	249	283
Restaurant sales	97	97	100	100	106	112	118	119	129	139	156	167	180
Room rate index (1967 = 100).....	86	91	125	128	132	139	150	165	178	194	220	255	295

Source: Lavelinhol & Horwath, Philadelphia, Pa., *National Trend of Business in the Lodging Industry*, monthly. (Copyright, 1980, by Lavelinhol & Horwath.)

Domestic Trade and Services

NO. 1489. SELECTED SERVICES, BY KIND OF BUSINESS: 1972 AND 1977

KIND OF BUSINESS	ESTABLISHMENTS WITH PAYROLL, 1972		ALL ESTABLISH- MENTS, 1977		ESTABLISHMENTS WITH PAYROLL, 1977			
	Re- ceipts ¹ (mil. dol.)	Paid employ- ees ² (1,000)	Num- ber (1,000)	Re- ceipts ¹ (mil. dol.)	Num- ber (1,000)	Re- ceipts ¹ (mil. dol.)	Pay- roll entire year (mil. dol.)	Paid employ- ees ² (1,000)
Selected services.....	3 95,676	5,305.2	1,834.7	179,515	725.1	164,219	56,055	6,337.3
Hotels, motels, trailer parks, camps.....	10,197	726.6	70.7	18,453	41.6	17,893	5,130	905.9
Hotels.....	4,745	347.0	12.5	9,884	10.4	9,837	3,094	484.2
Motels, motor hotels, tourist courts.....	5,089	364.1	39.3	7,835	26.7	7,578	1,933	409.9
Motels and tourist courts.....	3,854	273.1	(NA)	(NA)	24.3	5,736	1,409	305.5
Motor hotels.....	1,234	91.0	(NA)	(NA)	2.4	1,842	524	104.4
Sporting, recreational camps.....	225	10.5	5.3	277	2.2	230	59	5.6
Trailer parks, campsites for transients.....	139	5.0	13.5	457	2.2	247	44	6.2
Personal services.....	11,692	976.7	512.1	18,433	170.2	15,297	5,478	910.4
Laundry, cleaning, other garment services.....	5,334	488.3	75.4	6,829	46.5	6,326	2,288	361.0
Photographic studios.....	542	26.4	37.1	1,185	6.2	841	215	29.8
Beauty shops.....	2,418	279.3	196.1	4,274	74.5	3,392	1,634	289.0
Barber shops.....	394	38.2	66.6	992	11.5	433	182	27.7
Shoe repair, shoe shine, etc.....	126	8.6	9.6	239	3.1	150	40	7.2
Funeral service, crematories.....	2,071	70.2	19.6	2,827	15.1	2,652	639	71.8
Misc. personal services.....	807	85.8	105.7	2,088	13.1	1,503	480	124.0
Business services.....	3 27,932	1,759.4	458.2	54,500	154.8	49,999	20,852	2,287.4
Advertising.....	2,781	111.5	32.9	4,983	10.9	4,483	1,921	118.8
Service to dwellings, other buildings.....	2,307	333.5	67.3	4,597	26.3	4,210	2,256	426.3
Computer, data processing services.....	3,411	127.4	16.1	7,576	10.3	7,476	2,833	203.9
Management, consulting, public relations.....	3,549	143.2	143.8	8,343	24.7	6,653	2,839	208.8
Equipment rental, leasing services.....	2,205	60.8	29.3	5,102	12.0	4,729	1,086	87.2
Other business services ⁴	13,678	983.0	168.9	23,898	70.6	22,448	9,918	1,252.5
Credit reporting, collection agencies.....	803	63.1	(NA)	(NA)	6.1	1,238	539	64.2
Direct mail advertising services.....	538	33.3	(NA)	(NA)	1.7	843	276	31.5
Commercial photography, art, graphics.....	882	35.1	(NA)	(NA)	7.8	1,719	588	45.0
Temporary help supply services.....	918	179.2	(NA)	(NA)	4.2	2,324	1,703	331.5
Commercial research, development labs ⁵	1,764	72.5	(NA)	(NA)	1.8	2,026	843	48.5
Detective agencies, protective services.....	1,420	212.0	(NA)	(NA)	7.1	2,615	1,598	278.9
Photofinishing laboratories.....	1,165	44.4	(NA)	(NA)	3.0	1,873	523	64.3
Auto repair, services, garages.....	10,929	392.5	200.2	21,576	106.2	19,659	4,456	483.2
Automotive repair shops.....	6,134	237.9	154.2	12,770	80.7	11,283	3,090	316.3
General auto repair.....	2,569	98.2	87.0	5,633	37.2	4,641	1,173	128.3
Top and body repair.....	1,578	65.7	38.8	3,246	22.6	2,897	874	87.9
Other auto repair.....	1,988	74.0	28.4	3,891	20.9	3,735	1,043	100.0
Automotive rental and leasing, without drivers.....	3,486	62.7	12.4	6,407	8.7	6,290	834	75.5
Auto parking.....	711	37.3	8.9	1,008	6.2	992	211	33.9
Automotive services, exc. repair.....	597	54.7	24.7	1,391	8.7	1,092	320	57.6
Miscellaneous repair services.....	4,836	206.8	162.9	11,028	55.0	9,558	2,992	279.1
Electrical, electronic repair shops.....	1,729	74.4	52.5	3,581	19.1	3,077	1,001	95.2
Reupholstery, furniture repair.....	334	19.1	24.6	721	7.1	516	158	22.2
Other repair shops, related services.....	2,772	113.3	85.8	6,726	28.7	5,966	1,833	161.8
Amusement, recreation services, incl. motion pictures⁴.....	12,860	653.0	176.8	21,143	61.8	19,758	5,272	660.3
Motion picture prod., distribution, services.....	2,857	64.7	10.7	5,412	5.5	5,314	1,377	88.4
Motion picture theaters.....	1,816	127.4	11.8	2,606	10.7	2,570	462	112.2
Producers, orchestras, entertainers ⁶	1,111	58.4	67.7	2,361	6.7	1,768	524	50.1
Bowling alleys, billiards, pool establishments.....	1,142	94.9	11.3	1,768	8.0	1,702	490	108.1
Other amusement and recreation services ⁴	5,735	307.7	75.2	8,997	30.9	8,401	2,419	301.5
Membership sports and recreation clubs ⁵	1,599	116.5	(NA)	(NA)	6.3	1,148	385	59.5
Museums, botanical and zoological gardens (commercial) ⁵	(NA)	(NA)	(NA)	(NA)	.5	97	28	3.8
Dental laboratories.....	519	29.8	10.3	948	6.3	862	367	35.6
Legal services⁶.....	9,724	267.7	167.9	18,696	94.9	17,147	5,217	392.0
Engineering, architecture, surveying.....	7,186	292.6	75.6	14,737	34.4	14,049	6,292	373.2

NA Not available. ¹ Includes sales, occupancy, admissions, or other taxes collected from customers and forwarded to taxing authorities in 1972, but not in 1977. ² Week including Mar. 12. ³ Adjusted to reflect changes in measuring 1977 receipts data for advertising agencies. ⁴ Includes other services not shown separately. ⁵ 1972 not strictly comparable with 1977 since 1977 data are only for establishments paying Federal income taxes. For data pertaining to tax-exempt establishments, see table 1491. ⁶ Includes expense-sharing associations in 1977. ⁷ For services rendered in 1972, whether or not payment received in 1972. ⁸ For payments received in 1977, regardless of when services provided.

Source: U.S. Bureau of the Census, *Census of Selected Service Industries: 1972*, vol. I, and 1977, U.S. Summary, SC 77-A-52.

Selected Service Industries

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No. 1490. SELECTED SERVICE INDUSTRIES—SUMMARY, BY STATES: 1977

[Discrepancies in figures identified after tabulation process was completed have been corrected only at level significantly affected; hence, detail may not add to total]

STATE	ALL ESTABLISHMENTS		ESTABLISHMENTS WITH PAYROLL			BUSINESS SERVICES		PERSONAL SERVICES		AUTO REPAIR, AUTO SERVICES, TRAILERING PARKS, GARAGES		
	Number (1,000)	Receipts (mill. dol.)	Number (1,000)	Receipts (mill. dol.)	Payroll, entire year (mill. dol.)	Paid employees (1,000)	Establishments	Receipts (mill. dol.)	Establishments	Receipts (mill. dol.)	Establishments	Receipts (mill. dol.)
U.S.	1,834.7	179,515	725.1	164,219	56,055	6,337.3	458,232	54,500	512,140	18,433	200,153	21,576
N.E.	110.9	9,291	42.7	8,348	2,878	334.1	28,863	3,065	27,318	1,016	10,692	1,127
Maine....	10.4	527	3.7	456	131	18.2	1,668	70	2,943	65	1,346	106
N.H.	8.9	547	3.2	477	152	20.2	1,987	102	2,226	65	992	79
Vt.	5.1	299	1.9	263	81	13.8	940	42	1,290	30	579	31
Mass.	52.6	5,025	19.5	4,549	1,621	175.9	15,020	1,830	12,589	504	4,876	532
R.I.	7.5	534	3.2	476	166	20.9	1,689	158	2,200	74	824	61
Conn.	26.4	2,359	11.2	2,127	727	85.1	8,559	863	6,070	278	2,085	298
M.A.	307.7	35,976	124.6	33,262	11,541	1,164.7	84,859	12,942	81,203	3,107	30,615	3,481
N.Y.	156.8	21,327	64.5	19,954	6,891	631.8	46,828	8,250	38,098	1,562	12,505	1,629
N.J.	60.2	6,243	26.8	5,711	2,062	218.7	18,649	2,257	13,860	626	5,907	746
Pa.	90.7	8,406	33.3	7,597	2,588	304.2	19,582	2,435	29,247	919	12,203	1,106
E.N.C.	311.1	29,361	119.0	26,727	9,223	1,046.6	76,123	8,982	92,328	3,598	32,683	4,007
Ohio.	76.9	7,060	31.4	6,446	2,194	267.8	17,236	1,895	22,489	936	8,811	1,070
Ind.	41.3	2,766	14.7	2,447	781	106.3	8,130	651	14,497	450	5,076	493
Ill.	96.9	10,567	34.1	9,644	3,396	347.0	28,109	3,844	28,806	1,092	8,650	1,093
Mich.	60.6	6,389	24.9	5,882	2,059	218.9	14,268	1,925	17,317	771	6,487	981
Wis.	35.4	2,579	13.9	2,308	793	106.6	8,380	667	9,219	349	3,659	370
W.N.C.	153.2	10,959	54.2	9,762	3,232	417.9	30,392	2,951	51,132	1,416	18,463	1,649
Minn.	34.2	2,785	11.8	2,514	882	109.6	6,887	818	10,541	392	3,671	360
Iowa.	27.3	1,560	9.2	1,347	409	60.2	5,315	347	9,838	230	3,429	281
Mo.	43.5	3,748	15.7	3,401	1,157	136.0	10,161	1,155	14,224	431	5,290	524
N. Dak.	5.4	319	2.0	279	88	12.6	776	54	1,753	49	645	56
S. Dak.	6.4	309	2.3	263	73	11.5	787	42	2,137	46	781	49
Nebr.	14.8	976	5.5	663	280	40.1	2,506	233	5,034	126	1,814	173
Kans.	21.6	1,262	7.7	1,095	343	47.9	3,950	302	7,605	202	2,733	206
S.A.	273.5	26,219	118.7	24,145	8,329	1,034.5	63,503	7,156	77,925	2,859	30,983	3,174
Del.	4.4	407	1.9	376	127	16.8	1,062	129	1,245	43	458	55
Md.	32.9	3,358	12.6	3,093	1,214	132.0	9,441	1,253	8,845	351	2,778	346
D.C.	8.6	1,842	4.0	1,760	631	60.4	3,114	575	1,757	95	561	107
Va.	36.8	3,613	15.9	3,365	1,220	198.0	9,139	1,217	10,820	422	3,885	412
W. Va.	11.4	824	4.7	749	231	30.8	1,668	131	4,069	127	1,391	100
N.C.	41.1	2,752	16.6	2,471	790	112.7	6,942	601	14,757	468	5,996	464
S.C.	19.6	1,420	8.5	1,285	415	60.8	3,280	252	6,663	199	2,687	195
Ga.	36.9	3,454	16.0	3,184	1,048	133.6	7,824	929	11,544	388	4,826	495
Fla.	81.8	8,549	36.5	7,862	2,653	349.6	21,033	2,068	18,225	776	8,421	1,000
E.S.C.	92.7	6,910	38.1	6,211	2,022	274.6	16,207	1,714	31,423	1,003	12,319	1,047
Ky.	24.0	1,597	8.8	1,396	435	63.2	4,171	323	8,074	265	3,138	217
Tenn.	32.2	2,729	13.2	2,481	838	106.8	5,940	816	10,592	365	4,120	397
Ala.	21.9	1,696	10.0	1,548	511	68.1	3,851	418	7,516	238	3,096	277
Miss.	14.6	888	6.1	786	238	36.5	2,245	160	5,241	135	1,965	156
W.S.C.	180.9	16,928	74.1	15,437	5,074	612.1	40,056	4,929	53,548	1,848	23,501	2,112
Ark.	16.4	922	6.3	798	233	36.0	2,461	162	5,635	145	2,610	196
La.	27.5	2,941	12.0	2,712	858	108.4	5,507	899	8,162	255	3,219	295
Oklahoma.	25.7	1,661	9.4	1,447	466	61.1	5,272	439	8,466	226	3,322	246
Tex.	111.3	11,404	46.4	10,480	3,517	406.6	26,816	3,429	31,285	1,222	14,350	1,375
Mt.	100.7	10,727	40.6	9,943	3,316	391.6	24,520	2,454	24,622	825	11,044	1,097
Mont.	8.0	449	3.0	386	114	17.8	1,413	68	2,067	52	1,035	71
Idaho.	8.1	569	2.9	505	209	22.3	1,547	197	2,235	58	997	71
Wyo.	4.8	373	2.1	334	92	12.5	847	54	1,097	28	519	45
Colo.	30.1	2,481	11.7	2,246	757	94.3	8,007	696	7,567	242	3,036	324
N. Mex.	9.7	1,059	4.3	992	351	36.0	2,129	496	2,399	77	1,233	99
Ariz.	20.6	1,853	8.7	1,687	557	75.9	5,733	498	4,442	190	2,282	254
Utah.	11.4	838	4.3	756	244	33.5	2,817	230	3,203	86	1,251	135
Nev.	8.0	3,105	3.6	3,037	992	99.3	2,027	217	1,672	92	691	97
Pac.	304.1	33,143	115.0	30,983	10,442	1,071.2	92,709	10,308	72,641	2,763	29,853	3,881
Wash.	34.4	2,984	13.2	2,726	892	98.2	8,299	923	9,176	301	3,715	366
Oreg.	23.1	1,752	8.7	1,565	507	65.4	5,532	476	5,999	208	2,670	262
Calif.	234.2	26,617	88.3	24,407	8,484	844.7	75,178	8,602	54,695	2,139	22,149	3,015
Alaska.	4.4	514	1.5	469	169	13.5	1,349	134	844	32	455	54
Hawaii.	8.0	1,276	3.3	1,216	390	49.4	2,351	173	1,927	83	864	164

¹ Week including Mar. 12.

Source: U.S. Bureau of the Census, *Census of Service Industries, 1977*, Geographic Area Series, SC 77-A-1 through 52.

NO. 1491. TAX-EXEMPT AND SELECTED TAXABLE SERVICE INDUSTRIES—SUMMARY: 1977

[Covers taxable service industry establishments covered for the first time in the 1977 Census of Service Industries and also tax-exempt service industry establishments with payroll. Establishments indicating all or part of their income was exempt from Federal income tax under provisions of section 501 or 521 of the IRS code were classified as tax-exempt]

KIND OF BUSINESS OR OPERATION	ALL ESTABLISHMENTS		ESTABLISHMENTS WITH PAYROLL					Paid employees ² (1,000)	
	Number (1,000)	Receipts or expenses ¹ (mil. dol.)	Number (1,000)	Receipts or expenses ¹ (mil. dol.)	Payroll				
					Entire year (mil. dol.)	As percent of receipts or expenses ¹	First quarter (mil. dol.)		
Taxable service industries	944.2	76,211.6	363.7	68,122.7	27,766.4	40.8	6,653.5	2,587.6	
Arrangement of passenger transportation ^a	19.4	1,727.3	13.2	1,599.8	831.5	38.5	146.7	69.8	
Travel agencies	(NA)	(NA)	10.9	1,131.0	463.0	40.9	107.4	52.3	
Tour operators	(NA)	(NA)	1.2	353.5	123.5	34.9	29.0	11.5	
Rooming, boarding, and membership lodging	9.0	301.9	3.1	234.4	59.5	25.4	16.8	12.7	
Rooming and boarding houses	(NA)	(NA)	2.4	182.6	46.0	25.2	13.3	9.8	
Organization hotels, lodging houses, membership basis	(NA)	(NA)	.7	51.8	13.5	26.1	3.5	2.9	
Health service, exc. dental labs ^{3,4}	433.8	58,181.9	272.4	54,645.6	22,378.8	41.0	5,334.0	1,988.0	
Physicians offices	189.1	28,756.5	136.2	26,948.8	11,854.5	44.0	2,833.0	624.0	
Dentist offices	99.3	10,007.2	82.7	9,528.7	3,043.9	31.9	727.1	284.4	
Osteopathic physicians offices	5.9	776.3	5.2	755.0	307.7	40.8	72.9	20.3	
Chiropractors offices	14.3	679.7	7.6	636.2	110.0	20.5	27.3	15.6	
Optometrists offices	16.6	1,551.9	12.1	1,397.6	289.1	20.7	69.3	32.2	
Nursing and personal care facilities	30.4	7,343.7	10.8	7,194.9	3,549.4	49.3	840.5	662.9	
Skilled nursing care facilities	(NA)	(NA)	5.7	5,191.0	2,586.5	49.8	611.0	482.0	
Hospitals	1.0	4,743.9	1.0	4,743.9	1,793.3	37.8	428.2	202.8	
Gen. medical and surgical hospitals	(NA)	(NA)	.8	4,281.8	1,595.1	37.3	380.3	180.4	
Medical laboratories	5.4	1,510.7	4.4	1,484.8	693.0	39.9	142.6	52.3	
Educational services ⁵	85.1	2,278.0	9.1	1,806.2	706.4	39.1	172.9	94.8	
Elementary and secondary schools ⁵	(NA)	(NA)	2.2	273.1	144.5	52.9	38.2	25.8	
Colleges, univer., prof. schools, junior colleges	(NA)	(NA)	.1	150.6	69.1	45.9	16.2	7.8	
Correspondence and vocational schools	(NA)	(NA)	2.6	841.0	302.2	35.8	72.8	34.1	
Voc. schools, exc. voc. high, n.e.c. ⁶	(NA)	(NA)	1.5	436.4	152.9	35.0	36.1	17.1	
Schools and educational serv., n.e.c. ⁶	(NA)	(NA)	4.0	531.5	185.7	34.9	44.3	26.2	
Social services and misc. ^{3,4}	396.8	13,722.6	65.8	9,836.3	3,990.2	40.6	983.2	422.3	
Accounting, auditing, bookkeeping services	126.1	7,990.5	39.3	7,276.9	2,917.2	40.1	723.6	230.9	
Social and other misc. services	270.7	5,732.1	26.4	5,559.4	1,072.9	41.9	259.5	191.4	
Social services	(NA)	(NA)	23.1	2,038.5	865.9	42.5	208.1	177.4	
Child day care services	(NA)	(NA)	14.2	756.9	338.8	44.6	85.3	87.5	
Tax-exempt service industries ³	(X)	(X)	165.6	85,371.6	41,690.9	48.8	9,949.5	4,950.5	
Sporting and recreational camps	(X)	(X)	.8	82.7	28.1	34.0	5.0	3.1	
Organization hotels, lodging houses, on membership basis	(X)	(X)	3.1	219.9	50.9	23.2	14.2	13.3	
Miscellaneous business services	(X)	(X)	.4	1,214.4	594.7	49.0	140.7	35.6	
Commercial research and dev. labs ⁷	(X)	(X)	.3	1,148.2	555.3	48.4	131.4	32.3	
Selected amusement, rec., services	(X)	(X)	7.1	2,130.1	940.3	44.1	199.8	121.6	
Producers, orchestras, entertainers ⁷	(X)	(X)	1.2	524.1	245.7	46.9	61.5	27.2	
Membership, sports, rec. clubs ⁷	(X)	(X)	5.9	1,606.0	694.6	43.3	138.3	94.4	
Health services ⁸	(X)	(X)	12.3	43,960.8	22,848.7	52.0	5,439.2	2,431.0	
Hospitals	(X)	(X)	3.6	39,196.7	20,322.6	51.9	4,843.6	2,098.0	
Legal aid societies and similar legal services	(X)	(X)	1.1	259.0	163.2	58.2	34.6	12.4	
Educational services ^{3,4}	(X)	(X)	9.2	14,026.2	7,224.4	51.5	1,763.4	932.3	
Elementary and secondary schools ³	(X)	(X)	3.3	1,298.1	744.6	57.4	190.4	99.4	
Colleges, universities, professional schools, junior colleges	(X)	(X)	1.8	12,027.6	6,164.3	51.3	1,497.0	783.6	
Social services ^{3,8}	(X)	(X)	41.0	8,294.9	4,124.2	49.7	962.3	676.5	
Individual and family social services	(X)	(X)	12.4	2,236.9	1,143.4	51.1	266.0	167.4	
Job training, vocational rehab. services	(X)	(X)	3.4	1,048.4	610.7	58.3	133.9	138.4	
Child day-care services	(X)	(X)	10.6	829.2	494.8	59.7	123.6	102.4	
Residential care	(X)	(X)	5.6	1,857.4	880.8	47.4	205.6	135.1	
Museums, art galleries, botanical, zoological gardens ¹	(X)	(X)	2.3	613.1	267.0	43.5	62.4	32.6	
Noncommercial	(X)	(X)	1.8	483.1	210.6	43.6	50.3	25.4	
Museums, botanical, zoological gardens (commercial)	(X)	(X)	.4	130.0	56.3	43.3	12.1	7.2	
Membership organ., exc. religious ³	(X)	(X)	82.7	12,067.8	4,407.2	36.5	1,075.0	600.1	
Business associates	(X)	(X)	11.7	2,308.4	821.6	35.6	200.6	68.8	
Professional membership organization	(X)	(X)	4.9	1,284.6	432.3	33.7	104.7	34.6	
Labor unions, similar labor organizations	(X)	(X)	23.4	3,468.4	1,303.7	37.6	316.8	179.0	
Civic, social, fraternal associations	(X)	(X)	34.1	3,606.5	1,341.5	37.2	330.7	255.9	
Noncommercial ed., scientific, research organizations	(X)	(X)	1.9	1,437.3	594.7	41.4	146.9	47.8	

NA Not available X Not applicable. ¹Pertains to receipts for taxable establishments and expenses for tax-exempt establishments. ²For the week including March 12. ³Includes other kinds of businesses, not shown separately. ⁴For similar data on tax-exempt establishments, see below. ⁵Excludes schools operated by religious organizations. ⁶N.e.c.=Not elsewhere classified. ⁷For similar data on taxable establishments, see table 1489. ⁸For similar data on taxable establishments, see above.



Section 31

Foreign Commerce and Aid

This section presents data on the flow of goods, services, and capital between the United States and other countries; changes in official reserve assets of the United States; international investments; foreign assistance programs; and import duties.

The Bureau of Economic Analysis publishes current figures on U.S. international transactions and the U.S. international investment position in its monthly *Survey of Current Business*. Figures for earlier periods are presented in *Balance of Payments—Statistical Supplement*, 1963 revised edition, in the periodic *Foreign Grants and Credits by the United States Government*, and in the June issues of the *Survey of Current Business*. Statistics for the foreign aid programs are presented by the Agency for International Development (AID) in its annual *U.S. Overseas Loans and Grants and Assistance from International Organizations*; and by the Department of Agriculture in its *Foreign Agricultural Trade of the United States*.

The principal source of merchandise import and export data is the Bureau of the Census. Current data are presented monthly in Report FT 135, *U.S. General Imports, Schedule A: Commodity by Country*; Report FT 410, *U.S. Exports, Schedule E: Commodity by Country*; and Report FT 990, *Highlights of U.S. Export and Import Trade*. The *Bureau of the Census Catalog* and the *Guide to Foreign Trade Statistics* lists the Bureau's monthly and annual reports in this field. In addition, the International Trade Administration and the Bureau of Economic Analysis present summary as well as selected commodity and country data for U.S. foreign trade in the *Overseas Business Reports* and the *Survey of Current Business*, respectively. The merchandise trade data in the latter source include balance of payments adjustments to the census data. The Treasury Department's *Annual Report of the Secretary* contains information on import duties.

International accounts.—The international transactions tables (Nos. 1492-1494) show, for given time periods, the transfer of goods, services, grants, and financial assets and liabilities between the United States and the rest of the world. The *International investment position table* (No. 1495) presents, for specific dates, the value of U.S. investments abroad and of foreign investments in the United States. The movement of foreign and U.S. capital as presented in the balance of payments is not the only factor affecting the total value of foreign investments. Among the other factors are: Changes in the valuation of assets or liabilities, including securities, defaults, expropriations, and write-offs.

Direct investment abroad means ownership or control, direct or indirect, by one U.S. person or business enterprise of 10 percent or more of the voting securities of an incorporated foreign business enterprise or an equivalent interest in an unincorporated foreign business enterprise. Direct investment position is the yearend value of U.S. parents' claims on the equity of, and receivables due from, foreign affiliates less foreign affiliates' receivables due from the United States. Income consists of U.S. parents' shares in earnings (net of foreign income taxes) of their foreign affiliates plus net interest on intercompany accounts, less withholding taxes on dividends and interests.

Foreign aid.—Foreign assistance is divided into three major categories—grants (military supplies and services and other grants), credits, and other assistance (through net accumulation of foreign currency claims from the sale of agricultural commodities). *Grants* are transfers for which no payment is expected (other than a limited percentage of the foreign currency "counterpart" funds generated by the grant), or which at most involve an obligation on the part of the receiver to extend aid to the United States or other countries to achieve a common objective. *Credits* are loan disbursements or transfers under other agreements which give rise to specific obligations to repay, over a period of years, usually with interest. All known returns to the U.S. Government stemming from grants and credits (reverse grants, returns of grants, and payments of principal) are taken into account in net grants and net credits, but no allowance is made for interest or commissions. *Other assistance* represents the transfer of U.S. farm products in exchange for foreign currencies (plus, since enactment of Public Law 87-128, currency claims from principal and interest collected on

credits extended under the farm products program), less the Government's disbursements of the currencies as grants, credits, or for purchases. The net acquisition of currencies represents net transfers of resources to foreign countries under the agricultural programs, in addition to those classified as grants or credits.

Figures as published in the *Foreign Grants and Credits* series are not identical with figures shown for Government unilateral transfers and capital in the balance of payments, mainly because of differences in treatment of particular items by the two sets of accounts. Such items include contributions to the multilateral construction program of the North Atlantic Treaty Organization, government investments in certain productive enterprises abroad, government receipts on funded claims, and net changes in foreign currency holdings resulting from transactions other than those under the farm products program, such as collections of principal and interest and purchases for dollars.

The basic instrument for extending military aid to friendly nations has been the Mutual Defense Assistance Program authorized by the Congress in 1949. Prior to 1952, economic and technical aid was authorized in the Foreign Assistance Act of 1948, the 1950 Act for International Development, and other legislation which set up programs for specific countries. In 1952, these economic, technical, and military aid programs were combined under the Mutual Security Act, which in turn was followed by the Foreign Assistance Act passed in 1961. Appropriations to provide military assistance to certain countries in Southeast Asia were made in the Department of Defense Appropriation Act (rather than the Foreign Assistance Appropriation Act) beginning in 1966 and in other legislation concerning programs for specific countries (such as Israel). Figures on activity under the Foreign Assistance Act as reported in the *Foreign Grants and Credits* series differ from data published by AID or its immediate predecessors due largely to differences in reporting, timing, and treatment of particular items.

Exports.—The Bureau of the Census compiles export data primarily from Shipper's Export Declarations required to be filed with customs officials for shipments leaving the United States. They include U.S. exports under mutual security programs and exclude shipments to U.S. Armed Forces for their own use.

The value reported in the export statistics is generally equivalent to a free alongside ship (f.a.s.) value at the U.S. port of export, based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. This value, as defined, excludes the cost of loading merchandise aboard the exporting carrier and also excludes freight, insurance, and any other charges or transportation and other costs beyond the U.S. port of exportation. The country of destination is defined as the country of ultimate destination or country where the merchandise is to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. When ultimate destination is not known, the shipment is statistically credited to the last country to which the shipper knows the merchandise will be shipped in the same form as exported.

For certain low-valued shipments, the export statistics since July 1953 include estimates based upon selected samples of such shipments with lower and upper value limits of the sampled shipments varying (Canada excepted) from \$100-\$499 for July 1953-September 1969, \$251-\$499 for October 1969-February 1978, and \$501-\$999 since March 1979. For Canada, upper-value limits were raised to \$1,999 in January 1963, and lower-value to \$251 and \$501 in October 1969 and March 1979, respectively. Shipments valued below lower limits (under \$100, under \$251, and under \$501) for the different periods are estimated to represent about one percent of the total value of exports, and the \$501-\$1,999 shipments to Canada plus the \$501-\$999 shipments to other countries about three percent.

Beginning January 1978, the Export Classification Schedule was based upon Schedule E, Standard International Trade Classification, Revision 2. This revision affects the comparability of some export statistics.

Imports.—The Bureau of the Census compiles import data from various customs forms required to be filed with customs officials. Since 1974, data on import values are presented on three bases: The transaction values f.a.s. (free alongside ship) at the foreign port of export, the c.i.f. (cost, insurance, and freight), and the previously reported customs import value (as appraised by the U.S. Customs Service in accordance with legal requirements of the Tariff Act of 1930, as amended). This latter valuation, primarily used for collection of import duties, frequently does not reflect the actual transaction value. Country of origin is defined as country where the merchandise was grown, mined, or manufactured. If country of origin is unknown, country of shipment is reported.

Imports are classified either as "General Imports" or "Imports for Consumption." General imports are a combination of entries for immediate consumption and entries into customs bonded warehouses, and thus generally reflect total arrivals of merchandise. Imports for consumption are a combination of entries for immediate consumption and withdrawals from warehouses for consumption, and thus generally reflect the total of the commodities entered into U.S. consumption channels.

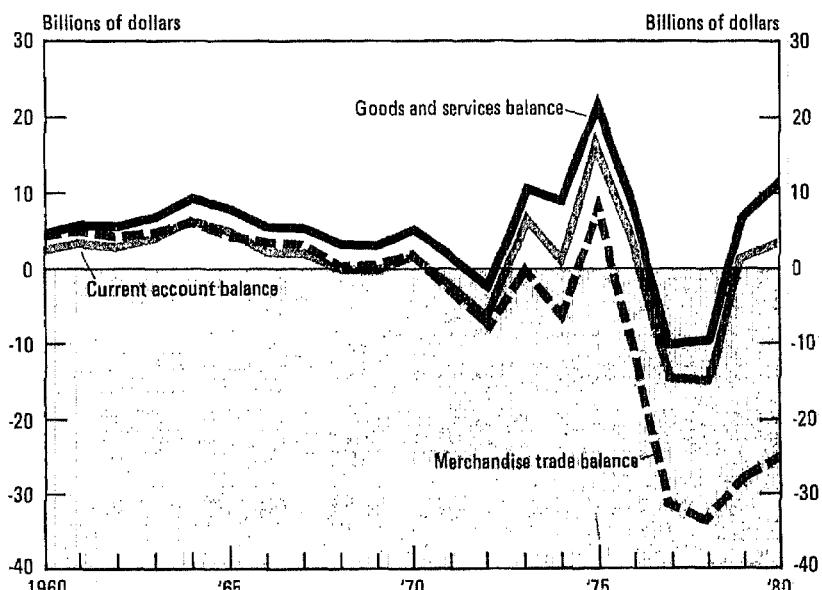
The import statistics include, since July 1953, estimates, not classified by commodity, for certain low-valued shipments. For July 1953-July 1965, entries valued under \$100, in general, were estimated, while entries valued under \$251 have been estimated since July 1965. The estimated low-valued shipments generally amount to less than one percent of the import total.

Area coverage.—Except as noted, the geographic area covered by the export and import trade statistics is the United States customs area, which includes the 50 States, the District of Columbia, and Puerto Rico. Beginning January 1981, data on the Virgin Islands' trade with foreign countries are included in U.S. export and import statistics.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

Figure 31.1
U.S. International Transaction Balances: 1960 to 1980



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1494.

NO. 1492. U.S. INTERNATIONAL TRANSACTIONS: 1960 TO 1980

[In millions of dollars. Minus sign (-) denotes debits. See also *Historical Statistics, Colonial Times to 1970*, series U 1-25.]

TYPE OF TRANSACTION	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Exports of goods and services¹													
Merchandise, excl. military ²	28,861	41,087	65,674	68,838	77,495	110,241	146,866	155,729	171,630	184,295	221,021	288,925	314,667
Transfers under U.S. military agency sales contracts	19,650	26,461	42,469	43,319	49,381	71,410	2,559	98,306	107,088	114,745	142,054	184,473	233,965
Travel and transportation	3,355	1,501	1,926	1,384	2,059	6,652	10,049	11,576	13,718	14,780	17,104	20,380	8,231
Miscellaneous services	2,701	3,826	6,000	6,448	7,095	4,891	5,611	7,666	8,426	9,169	10,510	10,755	24,102
Income on U.S. assets abroad	1,550	2,533	3,957	4,138	4,891	2,808	2,587	2,581	2,926	32,175	43,295	66,689	12,434
Direct investment	4,616	7,437	11,747	12,037	14,764	16,542	19,157	16,595	18,959	19,673	25,486	36,390	75,936
Interest, dividends, and earnings of unincorporated affiliates	3,621	5,506	8,169	9,160	10,949	6,416	8,384	8,547	11,303	13,277	14,115	19,386	36,842
Reinvested earnings of incorporated affiliates	1,266	1,543	3,177	4,522	8,158	1,177	8,158	8,048	7,686	6,396	11,343	18,985	16,998
Other private receipts	646	1,421	2,641	2,949	4,330	7,777	7,844	8,952	10,881	15,964	26,075	36,522	2,572
U.S. Government receipts	349	510	907	906	866	936	1,074	1,112	1,352	1,625	1,843	2,284	
Transfers of goods and services under U.S. military grants, net³													
Imports of goods and services	-23,729	-32,801	-60,050	-65,669	-79,495	-95,219	-103,357	-132,836	-162,248	-193,788	-230,030	-281,917	-333,888
Merchandise, excl. military ²	-14,758	-21,510	-39,886	-45,579	-55,797	-67,074	-4,629	-103,649	-124,051	-151,689	-175,813	-219,308	
Direct defense expenditures	-3,097	-2,952	-4,855	-4,519	-4,744	-6,793	-1,018	-12,010	-14,017	-16,276	-18,073	-20,012	-8,556
Travel and transportation	-3,665	-5,106	-8,038	-6,793	-8,793	-10,158	-12,427	-14,017	-14,017	-14,368	-14,875	-15,922	-24,900
Miscellaneous services	-9,861	-11,456	-1,777	-1,543	-2,125	-5,657	-5,657	-6,927	-7,066	-3,715	-3,987	-5,285	-5,760
Income on foreign assets in U.S.	-1,237	-2,088	-5,516	-5,336	-6,572	-1,164	-1,284	-1,284	-12,984	-12,984	-13,311	-14,217	-43,174
Direct investment	-394	-657	-875	-1,164	-1,284	-1,610	-1,610	-1,610	-2,234	-2,234	-3,110	-2,634	-9,336
Interest, dividends, and earnings of unincorporated affiliates	-220	-299	-441	-621	-715	-699	-286	-1,046	-1,451	-1,628	-1,628	-2,402	-3,147
Reinvested earnings of incorporated affiliates	-174	-358	-434	-542	-569	-910	-1,065	-1,189	-1,659	-1,565	-1,565	-2,058	-6,190
Other private payments	-511	-942	-3,617	-2,428	-2,604	-4,209	-6,391	-5,788	-5,881	-5,881	-5,881	-8,980	-21,326
U.S. Government payments	-332	-489	-1,024	-1,844	-2,684	-3,836	-4,262	-4,542	-4,542	-4,542	-4,542	-8,674	-12,512
U.S. military grants of goods and services, net⁴													
Unilateral transfers (excl. military grants), net	-1,695	-1,636	-2,713	-3,546	-4,492	-2,810	-1,818	-2,207	-373	-203	-236	-305	-635
U.S. Government grants	-2,308	-2,654	-3,701	-3,854	-3,881	-3,718	-4,613	-4,988	-4,617	-5,057	-5,593	-7,056	
U.S. Govt. pensions, private remittances, other transfers	-1,672	-1,808	-2,043	-2,173	-1,938	-2,043	-2,475	-2,884	-3,146	-2,787	-3,183	-4,659	
-637	-1,046	-1,558	-1,659	-1,681	-1,943	-1,681	-1,943	-1,711	-1,719	-1,851	-1,830	-2,058	-2,397
U.S. assets abroad, net (increase/capital outflow (-))	-5,716	-9,337	-12,475	-14,497	-22,874	-34,745	-39,703	-51,269	-52,785	-61,070	-62,639	-84,776	
U.S. official reserve assets, net	2,145	1,225	2,481	2,349	-4	-158	-1,167	-849	-2,558	-375	-1,133	-8,155	
U.S. Govt. assets, other than official reserve assets, net	-1,100	-1,605	-1,568	-1,884	-1,558	-2,644	-1,366	-3,474	-3,683	-4,214	-6,941	-5,165	
U.S. loans and other long-term assets	-1,214	-2,463	-3,298	-4,181	-3,819	-4,638	-5,001	-5,941	-6,941	-7,470	-7,676	-9,812	
Repayments on U.S. loans	642	874	1,721	2,115	2,086	2,596	3,412	2,475	2,596	2,719	2,942	3,893	4,367
U.S. foreign currency holdings and U.S. short-term assets, net	-528	-16	-16	182	165	-602	1,541	-9	133	33	-115	16	280

U.S. private assets, net	-5,144	-10,229	-12,940	-12,925	-20,398	-33,643	-35,380	-44,498	-30,717	-57,159	-71,456
Direct investments abroad	-2,940	-5,011	-7,590	-7,618	-7,747	-11,353	-9,052	-12,244	-11,890	-16,056	-23,919
Equity and intercompany accounts	-1,674	-4,413	-3,468	-4,441	-3,214	-3,195	-1,275	-6,198	-5,494	-4,713	-18,546
Reinvested earnings of incorporated affiliates	-1,286	-1,543	-3,177	-3,177	-4,532	-8,158	-7,777	-8,048	-7,696	-6,396	-1,548
Foreign securities	-663	-759	-1,076	-1,113	-618	-671	-1,854	-6,247	-8,885	-5,460	-16,986
U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-394	341	-596	-1,229	-1,054	-2,383	-3,221	-1,357	-2,296	-1,940	-4,552
U.S. claims reported by U.S. banks, n.e.s	-1,148	93	-967	-155	-612	-3,506	-5,950	-19,516	-13,532	-21,388	-33,667
Long-term	-153	-232	-1,122	-2,358	-1,307	-933	-5,047	-1,183	-2,357	-751	-11,427
Short-term	-995	325	-1,122	-2,198	-2,198	-18,383	-11,175	-19,006	-10,676	-10,676	-46,947
Foreign assets in the U.S., net [increase/ capital inflow (+)	2,294	742	6,359	22,970	21,461	18,388	34,241	15,670	36,518	51,218	50,261
Foreign official assets in the U.S., net	1,473	134	6,908	26,879	10,375	6,026	10,546	7,027	17,693	36,816	33,561
Other foreign assets in the U.S., net	821	607	550	-3,909	10,986	12,392	23,696	8,645	18,826	31,187	13,757
Direct investments in U.S.	415	1,464	1,464	367	949	2,800	4,760	2,603	4,347	14,403	15,492
Equity and intercompany accounts	315	1,030	1,030	-175	380	1,890	3,695	1,414	3,728	5,313	34,789
Reinvested earnings of incorporated affiliates	141	174	358	434	542	569	910	1,065	1,189	2,142	10,854
U.S. treasury securities	-364	-131	81	-24	-39	-216	697	2,590	2,783	534	6,190
U.S. securities other than U.S. Treasury securities	282	-358	2,189	2,289	4,507	4,041	378	2,503	1,284	2,437	6,279
U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	-90	178	2,014	369	815	1,035	1,844	319	-578	985	5,384
Long-term	678	503	-6,298	-6,298	-6,911	-4,754	-4,702	16,017	626	10,990	1,717
Short-term	6	241	23	-2,250	-2,250	1,449	227	9	-280	231	32,607
Allocations of special drawing rights	-	672	262	-6,321	-6,661	4,605	4,475	16,008	9,968	10,759	10,759
Statistical discrepancy (sum of above items with sign reversed)	-1,019	-458	-219	-219	-9,779	-1,879	-2,684	-1,920	5,753	10,367	21,140

¹ Excludes transfers of goods and services under U.S. military grant programs.
² Excludes exports of goods under U.S. military agency sales contracts, documents, and reflects various other adjustments (for valuation, coverage, and timing) of census statistics to a balance of payments basis.
³ Includes extraordinary U.S. Govt. transactions with India.
⁴ Includes sales of foreign obligations to foreigners.

Source: U.S. Bureau of Economic Analysis, Survey of Current Businesses, June 1981.

^a Represents zero. ^b N.A. Not available. ^c Excludes imports of goods under direct defense expenditures identified in Census import documents, and reflects various other adjustments (for valuation, coverage, and timing) of census statistics to a balance of payments basis.
^d Includes foreign currency notes sold to private residents abroad.

Foreign Commerce and Aid

NO. 1493. U.S. INTERNATIONAL TRANSACTIONS—SUMMARY: 1960 TO 1981

(In billions of dollars. Reserve assets are for end of period. Minus sign (–) denotes debit. See headnote, table 1492.)

YEAR	Merchandise trade balance ¹	Net investment income	Net military transactions	Net travel and transportation receipts	Other services, net	Balance on goods and services	Unilateral transfers ¹	Balance on current account ²	Net foreign assets in U.S.	Net U.S. assets abroad	Net U.S. official reserve assets
1960.....	4.0	3.4	-2.8	-1.0	.6	5.1	-2.3	2.8	2.3	-4.1	19.4
1965.....	5.0	5.3	-2.1	-1.3	1.4	8.3	-2.9	5.4	.7	-5.7	16.5
1966.....	3.8	5.0	-2.9	-1.3	1.4	6.0	-2.9	3.0	3.7	-7.3	14.9
1967.....	3.8	5.3	-3.2	-1.8	1.6	5.7	-3.1	2.6	7.4	-9.8	14.8
1968.....	.6	6.0	-3.1	-1.5	1.6	3.6	-3.0	.6	9.9	-11.0	15.7
1969.....	.8	6.0	-3.3	-1.8	1.8	3.4	-3.0	.4	12.7	-11.6	17.0
1970.....	2.6	6.2	-3.4	-2.0	2.2	5.6	-3.3	2.3	6.4	-9.3	14.5
1971.....	-2.3	7.3	-2.9	-2.3	2.5	2.3	-3.7	-1.4	23.0	-12.5	12.2
1972.....	-6.4	8.2	-3.4	-3.1	2.8	-1.9	-3.9	-5.8	21.5	-14.5	13.2
1973.....	.9	12.2	-2.1	-3.2	3.2	11.0	-3.9	7.1	18.4	-22.9	14.4
1974.....	-5.3	15.5	-1.7	-3.2	4.0	9.3	-7.2	2.1	34.2	-34.7	15.9
1975.....	9.0	12.8	-7	-2.8	4.6	22.9	-4.6	18.3	15.7	-39.7	16.2
1976.....	-9.3	16.0	-6	-2.6	4.7	9.4	-5.0	4.4	36.5	-51.3	18.7
1977.....	-30.9	18.0	1.5	-3.3	5.2	-9.5	-4.6	-14.1	51.2	-34.8	19.3
1978.....	-33.8	21.4	.7	-3.2	5.8	-9.0	-5.1	-14.1	63.7	-61.1	18.7
1979.....	-27.3	33.5	-1.9	-2.8	5.5	7.0	-5.6	1.4	38.9	-62.6	19.0
1980.....	-25.3	32.8	-2.5	-8	6.7	10.8	-7.1	3.7	50.3	-84.8	26.8
1981:											
1st qtr.....	-4.7	9.1	-.6	-.7	1.7	4.8	-1.5	3.3	7.1	-22.4	30.4
2d qtr, prel.....	-8.9	8.6	-.6	-.3	1.7	2.6	-1.5	1.1	12.8	-21.5	29.6

¹ Excludes military grants. ² Current account balance = Balance on goods and services minus unilateral transfers.Source: U.S. Council of Economic Advisers, *Economic Indicators*, monthly; and *Economic Report of the President*, annual. Data from U.S. Bureau of Economic Analysis and U.S. Dept. of the Treasury.NO. 1494. U.S. BALANCES ON INTERNATIONAL TRANSACTIONS, BY AREAS AND SELECTED COUNTRIES:
1978 TO 1980

(In millions of dollars. Balances by area have some shortcomings due to statistical discrepancies including errors, omissions, and incorrect area attributions. Minus sign (–) denotes debit)

AREA OR COUNTRY	1978, BALANCE ON—			1979, BALANCE ON—			1980, BALANCE ON—		
	Merchandise trade ¹	Goods and services	Current account	Merchandise trade ¹	Goods and services	Current account	Merchandise trade ¹	Goods and services	Current account
All areas.....	-33,759	-9,008	-14,075	-27,346	7,008	1,414	-25,342	10,779	3,723
European Economic Community ²	2,720	1,689	2,051	9,252	11,639	12,095	17,369	18,150	18,722
United Kingdom.....	802	778	893	2,677	6,378	6,593	2,970	6,113	6,406
Belgium-Luxembourg.....	1,920	2,239	2,231	3,483	4,498	4,489	4,761	5,613	5,800
France.....	190	730	684	850	1,244	1,198	2,277	2,916	2,871
Germany.....	-2,766	-4,439	-3,918	-2,259	-4,786	-4,229	-243	-3,950	-3,354
Italy.....	-737	-796	-965	-464	-553	-752	1,297	1,780	1,586
Netherlands.....	3,253	2,897	2,887	4,484	3,886	3,874	5,559	4,101	4,088
Other Western Europe.....	208	20	-424	3,099	2,717	2,208	2,979	2,207	1,539
Eastern Europe.....	2,385	2,563	2,488	4,017	4,390	4,300	2,699	3,190	3,103
Canada.....	-2,323	4,831	4,704	-330	8,936	8,788	-1,045	7,463	7,262
Latin America, other Western Hemisphere.....	-1,008	6,518	5,692	-1,980	8,558	7,526	1,290	15,631	14,451
Japan ³	-11,581	-11,719	-11,791	-8,632	-8,614	-8,683	-10,411	-8,681	-8,749
Australia, South Africa ⁴	-227	1,821	1,785	-59	2,231	2,189	584	3,488	3,432
Other Asia and Africa.....	-23,181	-13,044	-16,530	-31,527	-20,598	-24,410	-37,520	-28,595	-33,224
Int'l. and unallocated.....	-752	-1,687	-2,049	-1,186	-2,253	-2,598	-1,287	-2,074	-2,814

¹ Adjusted to balance of payments basis; excludes exports under U.S. military sales contracts and imports under direct defense expenditures. ² Includes Denmark, Ireland, European Atomic Energy Community, European Coal and Steel Community, and European Investment Bank, not shown separately. ³ Includes Ryukyu Islands. ⁴ Includes New Zealand.Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1981.

NO. 1495. INTERNATIONAL INVESTMENT POSITION, 1950 TO 1980, AND BY SELECTED AREAS, 1980

[In billions of dollars. Estimates for end of year, subject to considerable error due to nature of basic data. Direct investments at book value; other types at market or face values. See *Historical Statistics, Colonial Times to 1970*, series U 26-39, for similar data.]

TYPE OF INVESTMENT										
	1950	1955	1960	1965	1970	1971	1972	1973		
U.S. net international investment position	36.7	37.2	44.7	61.6	58.6	56.1	49.6	47.6		
U.S. assets abroad	54.4	65.1	85.6	120.4	165.5	179.5	199.5	222.5		
U.S. official reserve assets	24.3	22.8	19.4	15.5	14.5	12.2	13.2	14.4		
U.S. Government assets, other	11.1	13.1	17.0	23.5	32.1	34.2	36.1	38.8		
U.S. private assets	19.0	29.1	49.2	81.4	118.8	133.1	150.3	169.3		
Foreign assets in U.S.	17.6	27.8	40.9	58.8	106.8	129.3	149.9	174.9		
Foreign official assets	(NA)	(NA)	12.4	16.8	28.1	52.5	63.2	69.6		
Other foreign assets	(NA)	(NA)	28.5	42.0	80.7	70.9	86.7	105.3		
TYPE OF INVESTMENT										
	1974	1975	1976	1977	1978	1979	Total ^a	Western Europe	Canada	Latin America ^b
U.S. net international investment position	58.3	74.6	83.8	71.3	77.5	95.0	122.7	-55.2	61.4	89.4
U.S. assets abroad	255.7	295.1	347.2	379.1	447.9	508.9	803.8	185.8	98.2	161.8
U.S. official reserve assets	15.9	16.2	18.7	19.3	18.6	19.0	26.8	8.0	(Z)	-
U.S. Government assets, other	38.4	41.8	46.0	49.6	54.2	58.4	63.5	10.8	.3	11.8
U.S. loans and other long-term assets	36.3	39.8	44.1	47.8	52.3	56.5	61.9	10.5	.3	11.8
U.S. foreign currency holdings and short-term assets	2.1	2.0	1.9	1.8	1.9	1.9	1.7	.3	(Z)	(Z)
U.S. private assets	201.5	237.1	282.4	310.2	375.0	431.5	513.3	187.1	95.8	150.0
Direct investments abroad	110.1	124.0	136.8	146.0	182.7	186.8	213.5	95.7	44.6	38.3
Foreign securities	28.2	34.9	44.2	49.4	53.4	56.6	62.1	13.4	36.2	3.3
U.S. claims on unaffiliated foreigners ^c	17.0	18.3	20.3	22.3	28.1	31.1	33.7	11.3	5.8	11.2
Short-term	11.5	12.4	14.4	16.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
U.S. claims reported by U.S. banks ^d	46.2	59.8	81.1	92.6	130.8	157.0	204.0	48.7	9.2	97.3
Short term	39.1	50.2	69.2	79.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Foreign assets in the U.S.	197.4	220.5	263.4	307.8	370.4	413.9	480.9	241.1	34.8	72.4
Foreign official assets in the U.S. ^e	80.3	86.9	104.2	140.8	172.9	159.5	175.7	83.1	1.7	5.7
U.S. Government securities	57.7	63.6	72.6	105.4	128.5	106.6	118.2	(*)	(*)	(*)
Other U.S. Government liabilities	3.5	4.2	8.8	10.2	12.5	12.4	13.0	2.9	.2	.2
U.S. liabilities reported by U.S. banks ^f	18.4	16.3	17.2	18.0	23.3	30.5	30.4	(*)	(*)	(*)
Other foreign assets in the U.S.	117.1	133.6	159.1	167.0	197.5	254.4	305.2	157.9	33.1	66.7
Direct investments	25.1	27.7	30.8	34.6	42.5	54.5	65.5	43.5	9.8	6.7
U.S. securities ^g	34.9	45.3	54.9	*151.2	53.6	58.6	74.0	51.6	12.5	4.8
U.S. liabilities to unaffiliated foreigners ^h	13.6	13.9	13.0	13.4	14.9	16.9	28.6	10.4	1.5	4.3
U.S. long-term liabilities ⁱ	1.2	.9	1.1	1.5	(*)	(*)	(*)	(*)	(*)	(*)
U.S. short-term liabilities ^j	40.7	41.6	52.4	58.7	77.7	110.3	121.1	(10)	(10)	(10)
U.S. Treasury securities	1.7	4.2	7.0	7.6	11.8.9	11.14.1	11.16.0	(*)	(*)	(*)

^a Represents zero. ^b NA Not available. ^c Z Less than \$50 million. ^d Includes holdings of international and regional organizations that were shifted to "other foreign assets" in subsequent periods. ^e Includes other countries, international organizations, unallocated, not shown separately. ^f Includes other Western Hemisphere. ^g Reported by U.S. nonbanking concerns. ^h Not included elsewhere. ⁱ Includes assets not shown separately. ^j Data included in "Foreign official assets in the U.S." ^k Excludes U.S. Treasury securities. ^l Reported by U.S. banks. ^m Data included in "Other foreign assets in the U.S." ⁿ Includes U.S. Treasury notes denominated in foreign currencies, sold through foreign central banks to domestic residents in country of issue; these notes are subject to restricted transferability.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, various monthly issues.

NO. 1496. U.S. RESERVE ASSETS: 1960 TO 1981

[In billions of dollars. As of end of year, except 1981 for August]

TYPE	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	19.4	15.5	14.5	14.4	15.9	16.2	18.7	19.3	18.7	18.9	26.8	29.2
Gold stock ¹	17.6	13.8	11.1	11.7	11.7	11.6	11.6	11.7	11.7	11.2	11.2	11.2
Special drawing rights	-	-	.9	2.2	2.4	2.3	2.4	2.6	1.6	2.7	2.6	3.7
Foreign currencies	-	.8	.6	(2)	(2)	.1	.3	(2)	4.4	3.8	10.1	10.0
Reserve position in IMF ²	1.6	.9	1.9	.6	1.9	2.2	4.4	4.9	1.0	1.3	2.9	4.3

¹ Represents zero. ² Z Less than \$50 million. ³ Includes gold in Exchange Stabilization Fund; excludes gold held under earmark at Federal Reserve banks for foreign and international accounts. Beginning 1974, gold assets were valued at \$42.22 pursuant to the amending of Section 2 of the Par Value Modification Act, PL-83-110, approved September 21, 1973. ⁴ International Monetary Fund.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and Department of the Treasury, *Treasury Bulletin*, October 1980.

Foreign Commerce and Aid

NO. 1497. FOREIGN DIRECT INVESTMENT IN THE UNITED STATES—VALUE, BY AREA AND INDUSTRY:
1960 TO 1980

[In millions of dollars. Book value at year end. Prior to 1973, covers U.S. firms, including real estate investments in which foreign interest or ownership was 25 percent or more; thereafter, ownership of 10 percent or more. See also *Historical Statistics, Colonial Times to 1970*, series U 47-74.]

AREA AND INDUSTRY	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980, prel.
All areas ¹	6,910	8,797	13,270	20,556	25,144	27,662	30,770	34,595	42,471	54,462	65,483
Petroleum	1,238	1,710	2,992	4,792	5,614	6,213	5,921	6,573	7,762	9,906	12,253
Manufacturing	2,611	3,478	6,140	8,231	10,387	11,386	12,620	14,030	17,202	20,876	24,134
Finance and insurance	1,810	2,169	2,256	3,414	2,723	3,152	2,943	4,544	5,231	7,575	9,889
Trade, wholesale and retail	634	748	994	3,117	4,387	4,844	6,123	7,237	8,161	11,582	13,772
Canada	1,934	2,388	3,117	4,203	5,136	5,352	5,907	5,650	6,180	7,154	9,810
Petroleum	203	208	190	426	547	598	676	710	723	943	1,137
Manufacturing	932	1,219	1,836	2,319	2,905	3,061	3,386	3,077	3,213	3,615	5,148
Finance and insurance	246	370	324	293	311	341	422	367	397	505	798
Europe	4,707	6,076	9,554	13,837	16,756	18,584	20,162	23,754	29,180	37,403	43,467
Petroleum	1,028	1,476	2,777	4,079	4,714	5,478	4,999	5,523	6,689	8,010	9,894
Manufacturing	1,611	2,167	4,091	4,790	6,109	6,673	7,426	9,267	11,717	13,952	15,036
Finance and insurance	1,504	1,724	1,805	2,086	2,829	2,088	2,637	3,076	3,575	5,529	7,163
United Kingdom	2,248	2,852	4,127	5,403	5,744	6,331	5,802	6,397	7,638	9,796	11,342
Petroleum	339	511	1,220	1,212	1,502	(D)	602	486	492	199	-147
Manufacturing	722	839	1,391	1,551	1,792	1,833	1,963	2,305	3,014	3,547	4,277
Finance and insurance	953	1,176	1,141	1,198	854	932	1,211	1,425	1,586	2,432	3,097
Netherlands	947	1,304	2,151	4,017	4,698	5,347	6,255	7,830	10,078	12,672	16,159
Petroleum	630	887	1,311	(D)	(D)	(D)	(D)	(D)	5,041	6,479	8,319
Manufacturing	213	328	652	997	1,213	1,345	1,500	2,237	3,058	3,492	3,931
Switzerland	773	940	1,545	1,420	1,949	2,138	2,295	2,651	2,879	3,449	3,682
Manufacturing	427	590	1,147	922	1,222	1,308	1,357	1,769	1,949	2,281	2,308
Finance and insurance	300	303	351	313	263	365	(D)	486	519	598	701
Other Europe	739	980	1,731	3,097	4,366	4,768	5,810	6,878	8,585	11,486	12,284
Petroleum	50	80	246	(D)	(D)	494	(D)	(D)	1,028	1,314	1,687
Manufacturing	249	410	901	1,319	1,882	2,187	2,605	2,956	3,695	4,632	4,520
Finance and insurance	209	209	255	426	442	445	(D)	592	724	1,379	1,654
Japan	269	118	229	152	345	591	1,178	1,755	2,749	3,493	4,219
Other areas		214	370	2,264	2,907	3,135	3,523	3,436	4,362	6,412	7,987

D Withheld to avoid disclosure of data of individual companies. ¹ Area totals include industries not shown separately. ² Direct investments (in millions of dollars): Belgium and Luxembourg, 1,873; France, 2,672; Germany, 5,290; Italy, 334; and Sweden, 1,345.

Source: U.S. Bureau of Economic Analysis, *Foreign Business Investments in the United States*, 1962; and *Survey of Current Business*, August 1981, and earlier issues.

NO. 1498. U.S. AFFILIATES OF FOREIGN COMPANIES—ASSETS, SALES, EMPLOYMENT, LAND, EXPORTS,
AND IMPORTS: 1979

[A U.S. affiliate is a U.S. business enterprise in which one foreign owner (individual, branch, partnership, association, trust, corporation, or government) has a direct or indirect voting interest of 10 percent or more. Based on a sample survey of nonbank affiliates with assets, sales, or net income of \$5 million or more or that owns at least 200 acres of U.S. land]

INDUSTRY	Total assets (mil. dol.)	Sales ¹ (mil. dol.)	Employ- ment ² (1,000)	Employ- ee compens- ation (mil. dol.)	GROSS BOOK VALUE		Land owned (1,000 acres)	Mer- chandise ex- ports ⁴ (mil. dol.)	Mer- chandise im- ports ⁴ (mil. dol.)
					Plant and equip- ment ³ (mil. dol.)	Land (mil. dol.)			
Total	214,190	313,302	1,642	29,825	86,598	7,128	5,995	42,993	59,351
Agriculture and forestry	1,153	658	8	119	322	443	(D)	22	3
Mining	4,087	2,143	19	479	3,018	326	440	726	148
Petroleum	38,627	41,617	107	2,739	33,343	943	(D)	1,074	7,755
Manufacturing	61,937	76,913	918	17,037	32,982	2,131	1,823	5,996	9,545
Chemicals and allied products	19,470	20,679	232	4,510	13,123	775	256	1,363	1,294
Wholesale trade	41,849	151,492	174	3,308	4,912	394	(D)	34,602	41,394
Motor vehicles and auto parts and supplies	6,871	26,309	26	534	1,073	70	4	(D)	13,364
Farm-product raw materials	8,905	41,721	29	554	1,068	111	(D)	22,165	6,308
Retail trade	6,831	19,328	227	2,730	3,292	199	4	416	415
Finance, except banking	16,227	2,278	10	338	99	25	6	(D)	2
Insurance	26,925	9,959	45	748	386	132	3	(D)	(z)
Real estate	9,373	2,403	20	354	4,724	2,284	749	1	(D)
Other	7,200	6,511	115	1,973	3,509	249	127	153	(D)

¹ Represents zero. D Withheld to avoid disclosure of individual companies. Z Less than \$500,000. ² Average number of full-time and employees. ³ Includes other property, value of mineral rights owned and capitalized value of mineral rights leased. ⁴ Excludes part-time F.A.S.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1981.

NO. 1499. U.S. BUSINESSES ACQUIRED OR ESTABLISHED BY FOREIGN DIRECT INVESTORS, BY INDUSTRY OF U.S. BUSINESS ENTERPRISE: 1979 AND 1980

[Foreign direct investment is the ownership or control, directly or indirectly, by one foreign individual branch, partnership, association, trust, corporation, or government of 10 percent or more of the voting securities of a U.S. business enterprise or an equivalent interest in an unincorporated one. Data represent number and full cost of acquisitions of existing U.S. business enterprises, including business segments or operating units of existing U.S. business enterprises and establishments of new enterprises. Investments may be made by the foreign direct investor itself, or indirectly by an existing U.S. affiliate of the foreign direct investor. Covers investments in U.S. business enterprises with assets of over \$500,000 or that owned 200 acres of U.S. land.]

INDUSTRY	1979						1980, prel.					
	Investments			Investors			Investments			Investors		
	Total	Acquisitions	Establishments	Total	For- eign direct inves- tors	U.S. affili- ates	Total	Acqui- sition	Estab- lish- ments	Total	For- eign direct inves- tors	U.S. affili- ates
NUMBER OF INVESTMENTS¹												
Total	1,568	666	902	1,770	1,072	698	1,373	631	742	1,498	940	558
Agriculture and forestry	81	27	54	93	72	21	127	25	102	136	114	22
Mining	22	14	8	22	9	13	15	10	5	15	5	10
Petroleum	45	32	13	53	25	28	41	22	19	44	19	25
Manufacturing	270	208	62	291	118	173	203	167	36	227	84	143
Wholesale trade	69	50	19	74	27	47	40	31	9	42	23	19
Retail trade	29	22	7	30	14	16	31	22	9	32	9	23
Banking	16	8	8	16	13	3	32	23	9	32	12	20
Finance, except banking	16	7	9	21	15	6	23	6	17	26	16	10
Insurance	13	8	5	14	7	7	11	6	5	12	6	6
Real estate	920	235	685	1,064	722	342	772	262	510	847	607	240
Other	87	55	32	92	50	42	78	57	21	85	45	40
INVESTMENT OUTLAYS (mil. dol.)												
Total	15,317	13,159	2,158	15,317	3,440	11,876	9,865	8,126	1,739	9,865	3,154	6,711
Agriculture and forestry	151	87	84	151	115	38	264	105	179	284	192	92
Mining	218	133	85	218	49	169	170	(D)	(D)	170	(D)	(D)
Petroleum	4,010	3,974	36	4,010	49	3,961	709	674	35	709	34	675
Manufacturing	4,170	3,895	275	4,170	905	3,265	3,381	3,232	149	3,381	673	2,708
Wholesale trade	440	380	60	440	79	361	259	(D)	(D)	259	52	207
Retail trade	450	431	19	450	138	311	923	909	14	923	17	906
Banking	943	918	25	943	(D)	(D)	419	397	22	419	313	107
Financing, exc. banking	288	247	41	288	(D)	(D)	265	(D)	(D)	265	(D)	(D)
Insurance	(D)	(D)	16	(D)	33	(D)	367	249	18	367	49	318
Real estate	3,259	1,776	1,483	3,259	1,741	1,518	2,728	1,592	1,136	2,728	1,609	1,119
Other	(D)	(D)	34	(D)	(D)	359	313	46	359	136	223	

D Withheld to avoid disclosure of individual companies.

¹ Excludes 742 investments in 1979 and 1,116 in 1980 that do not meet asset or acreage criteria in headnote.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1981.

NO. 1500. U.S. BUSINESSES ACQUIRED BY FOREIGN DIRECT INVESTORS—ASSETS, SALES, AND EMPLOYMENT, BY INDUSTRY OF U.S. BUSINESS ENTERPRISE: 1979 AND 1980

[See headnote, table 1499]

INDUSTRY	1979					1980, prel.				
	Total assets (mil. dol.)	Sales (mil. dol.)	Employment (1,000)	Employee compensation (mil. dol.)	Plant and equipment, net (mil. dol.)	Total assets (mil. dol.)	Sales (mil. dol.)	Employment (1,000)	Employee compensation (mil. dol.)	Plant and equipment, net (mil. dol.)
	Total	23,772	314	4,917	4,472	36,951	21,035	261	4,204	3,936
Total	32,351	23,772	314	4,917	4,472	36,951	21,035	261	4,204	3,936
Agriculture and forestry	67	25	(Z)	3	18	81	7	(Z)	1	6
Mining	(D)	61	2	31	46	(D)	102	1	14	56
Petroleum	4,134	464	3	57	280	545	(D)	5	59	240
Manufacturing	6,212	9,296	143	2,410	1,789	6,329	10,862	187	2,593	1,585
Wholesale trade	524	1,091	8	110	72	822	2,000	13	220	102
Retail trade	2,009	9,041	101	1,363	702	1,003	2,245	57	420	492
Banking	12,792	952	12	181	(D)	19,098	1,696	14	208	169
Finance, except banking	1,304	219	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Insurance	2,072	530	(D)	46	(D)	784	306	3	43	20
Real estate	2,237	580	(D)	(D)	1,140	2,498	489	2	19	451
Other	(D)	1,513	29	506	333	1,674		(D)	(D)	

D Withheld to avoid disclosure of individual companies.

Z Fewer than 500.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1981.

No. 1501. U.S. DIRECT INVESTMENT POSITION ABROAD AND INCOME, BY COUNTRY, 1970 TO 1980, AND BY SELECTED INDUSTRIES, 1980

[In millions of dollars. Direct investments represent private enterprises in one country controlled by investors in another country or in the management of which foreign investors have an important role. Data for 1970 and 1975 are based on the 1968 benchmark survey; data for 1977 through 1980 are based on the 1977 benchmark survey. Because of differences in definition data based on different benchmark surveys are not entirely comparable. Negative position occurs when U.S. parent company's liabilities to the foreign affiliate are greater than its investment in the foreign affiliate. See also *Historical Statistics, Colonial Times to 1970*, series U-41-46.]

COUNTRY	DIRECT INVESTMENT POSITION (at yearend)										INCOME ⁴							
	1970			1975			1978			1979			1980, prel.		1980, prel.			
	Total ¹	Manufacturing	Petroleum		Total ¹	Manufacturing	Petroleum		Total ¹	Manufacturing	Petroleum		Total ¹	Manufacturing	Petroleum			
All areas.....	75,480	124,050	145,990	162,727	186,760	213,468	89,063	48,920	27,207	8,169	16,555	19,673	25,156	26,330	36,842	11,263	13,022	3,506
Developed countries.....	51,819	95,695	110,190	130,052	138,668	157,084	71,399	34,173	16,712	4,577	9,509	11,898	16,230	24,942	24,582	8,557	8,556	1,875
Canada.....	21,015	31,038	35,052	36,336	40,243	44,802	18,802	10,573	6,136	3,412	3,253	3,516	5,517	5,733	1,638	2,003	581	1,158
Europe ¹	25,255	49,305	62,552	70,647	82,622	95,886	45,425	19,924	9,688	2,401	9,989	7,211	10,350	14,054	16,078	5,804	5,856	1,158
Euro. Economic Community (EEC) ⁵	20,110	38,773	49,150	55,981	65,881	76,888	41,768	6,370	6,370	3,620	5,610	8,288	12,920	15,442	16,712	5,344	5,121	758
Belgium and Luxembourg.....	1,546	3,306	5,288	6,380	6,915	8,549	(D)	(D)	(D)	270	447	510	980	656	283	(D)	67	357
Denmark and Ireland.....	1,271	1,296	1,754	2,148	2,915	3,489	1,840	(D)	(D)	170	164	401	580	495	372	26	36	36
France.....	2,643	5,743	6,450	7,195	8,024	9,346	5,931	2,669	240	237	657	1,492	816	972	773	(D)	28	38
Germany.....	4,313	8,726	11,189	12,766	13,521	15,983	9,677	3,479	3,479	351	588	956	1,492	2,668	1,853	937	781	384
Italy.....	1,464	2,679	3,186	3,713	4,381	5,995	3,325	1,237	39	85	90	301	547	925	1,297	413	1,179	169
Netherlands.....	1,550	4,534	6,910	5,245	6,910	7,948	3,893	681	180	540	1,029	1,171	1,934	1,797	414	2,256	400	400
United Kingdom.....	8,016	13,927	16,709	19,527	23,539	28,099	14,047	6,292	6,292	626	836	1,787	2,174	5,765	5,495	1,836	1,836	400
Other Western Europe ⁴	5,191	10,532	13,401	16,941	19,988	23,949	10,029	3,020	3,257	483	1,389	1,600	2,052	3,062	3,159	460	400	339
Switzerland.....	2,631	5,152	7,182	8,419	9,693	11,279	3,948	2,918	3,933	853	1,021	1,363	1,363	1,988	1,851	1,363	63	339
Japan.....	4,490	7,013	9,723	9,595	10,484	11,484	6,274	2,110	718	430	228	233	598	1,199	826	1,826	1,901	493
Australia, New Zealand, South Africa.....	4,067	4,490	5,923	6,781	7,923	8,959	5,208	4,184	4,184	2,110	718	430	875	826	1,165	1,165	532	105
Developing countries ⁶	19,192	26,288	31,800	37,584	44,525	52,684	17,664	10,500	2,941	2,554	6,683	7,685	9,075	13,127	11,712	2,706	4,112	1,630
Latin American Republics ⁷	11,104	16,394	17,583	20,037	22,553	24,721	10,163	14,044	3,033	2,564	2,111	2,152	2,512	2,361	3,739	2,056	432	153
Mexico, Panama, other Central America.....	3,644	5,811	6,340	6,925	8,215	9,825	5,157	868	1,264	1,264	732	860	1,347	1,780	982	161	99	
Argentina.....	1,022	1,154	1,222	1,420	1,850	2,146	1,548	399	399	109	103	257	135	520	636	464	121	
Brazil.....	1,526	4,533	5,635	6,361	7,186	7,946	5,153	355	813	208	657	910	247	514	400	-88	44	
Chile.....	756	174	189	185	250	306	(D)	61	(D)	23	43	53	39	37	52	22	6	-1
Colombia.....	584	648	748	842	961	1,068	(D)	4	74	-88	385	664	508	350	68	73	6	7
Peru.....	744	1,221	1,160	1,210	1,337	1,897	1,035	38	395	344	215	1,047	1,601	1,422	105	51	13	(D)
Venezuela.....	2,241	1,872	1,560	1,783	1,797	1,897	1,035	38	395	344	1,304	7,115	522	534	3,585	3,111	74	1,375
Other Western Hemisphere.....	1,358	5,773	9,932	11,734	12,503	12,311	444	2,425	2,425	2,210	117	109	109	548	588	1,303	1,303	68
Other Africa ⁸	2,427	2,414	2,071	2,546	3,028	3,730	2,261	251	251	2,116	1,683	2,116	1,867	2,720	-23	23	-338	-14
Middle East ⁹	2,260	5,747	5,503	6,214	7,440	8,397	2,513	2,771	2,771	565	287	1,304	1,308	1,840	2,558	3,484	455	2,243
Other Asia and Pacific.....	4,469	7,067	4,070	3,913	3,567	3,701	(X)	(D)	(D)	650	404	100	153	262	548	(X)	344	98

D Suppressed to avoid disclosure of individual companies. X Not applicable. Z Less than \$500,000. ¹ Includes industries not shown separately. ² Excludes affiliates that are banks, 3 Equal sum of interest, dividends, earnings of unincorporated affiliates, and reinvested earnings. ⁴ Includes Mediterrian possessions and Eastern Europe. ⁵ As of Jan. 1, 1973, United Kingdom, Denmark, and Ireland became members of the EEC. For consistency, data for all years are shown on same basis. ⁶ Shipping companies operating under flags of convenience, primarily Panama and Liberia, are included in "international." ⁷ Includes countries not shown below. ⁸ Includes Egypt and all other in Africa except South Africa. ⁹ Includes Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Neutral Zone, Qatar, Saudi Arabia, South Yemen, Oman, United Arab Emirates, and Yemen. Source: U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, August 1981, and supplement titled *Revised Data Series on U.S. Direct Investment Abroad*, 1966-78.

NO. 1502. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS: 1945 TO 1980

[In millions of dollars. "P.L." means Public Law. For explanation of minus sign (-), see headnote, table 1503. See also text, pp. 827-828, and *Historical Statistics, Colonial Times to 1970*, series U 75-101]

PROGRAM	Post WW II peri- od, total	1945- 1955, total	1956- 1965, total	1966- 1975, total	1976	1977	1978	1979	1980, prel.
Total, net	212,524	55,134	47,317	68,851	7,931	6,741	7,998	7,736	10,815
Investments in financial institutions ²	8,200	635	655	2,719	1,102	870	867	651	800
Under assistance programs, net	204,325	54,499	46,662	66,132	6,830	5,871	7,131	7,185	10,015
Net new military grants	69,890	16,445	19,169	28,720	1,339	766	817	910	1,533
Gross new grants	70,226	16,679	19,400	28,765	1,342	769	821	913	1,537
Foreign Assistance Act ³	68,573	15,082	19,364	28,765	1,342	769	821	913	1,537
Military supplies and services	41,731	13,917	18,256	8,287	375	205	240	163	288
Military assistance, service funded ⁴	18,169	-	8	18,161	-	-	-	-	-
Financing of military purchases ⁵	4,713	-	-	1,584	878	501	500	500	750
Relocation of facilities in Israel	475	-	-	-	-	-	-	125	351
Other special programs	3,484	1,145	1,100	734	88	62	81	126	148
Other	1,853	1,617	36	-	-	-	-	-	-
Less: Reverse grants and returns	536	234	241	45	3	3	4	3	4
Net new economic and technical aid grants ⁶	82,455	28,871	17,675	21,748	2,268	2,283	2,676	3,036	3,898
Developed countries ⁷	20,933	20,294	780	-182	(z)	2	12	19	8
Developing countries ⁷	61,522	8,578	16,896	21,929	2,268	2,281	2,663	3,017	3,890
Gross new grants	84,387	30,225	17,993	22,003	2,274	2,283	2,676	3,036	3,898
Foreign Assistance Act ³	51,714	17,711	12,189	12,191	1,626	1,550	1,870	1,994	2,585
Farm products disposals:									
Foreign currencies, P.L. 83-480 ⁸	6,387	-	2,048	4,234	39	16	17	20	13
Famine and other urgent relief	7,991	530	2,704	2,862	304	353	341	425	473
Payment of transportation	2,141	-	494	946	94	100	133	168	205
Food for development loan forgiveness	63	-	-	-	-	-	-	17	45
Supplies to military or trusteeship administration areas	7,046	5,872	132	536	88	90	98	125	106
Peace Corps	1,574	-	232	912	74	77	86	95	98
Other	7,472	6,113	194	321	51	99	131	192	372
Less: Reverse grants and returns	1,932	1,353	318	255	6	-	-	-	-
Net new credits ⁹	50,412	8,642	7,025	16,854	3,275	2,861	3,691	3,308	4,656
Developed countries ⁷	3,721	6,646	-3,207	310	181	157	89	-218	77
Developing countries ⁷	46,691	1,996	10,232	16,644	3,094	3,018	3,602	3,527	4,578
New credits	98,610	12,039	15,429	37,422	5,842	5,546	6,599	7,049	8,684
Export-Import Bank Act	35,010	4,271	5,257	15,505	2,004	1,482	1,237	1,876	3,378
Foreign Assistance Act ³	35,905	1,919	6,196	12,053	2,413	2,668	3,240	3,245	4,170
Country program loans	21,923	1,765	5,722	8,362	913	877	1,483	1,511	1,291
Financing of military purchases	12,743	9	247	3,089	1,452	1,679	1,727	1,680	2,861
Social Progress Trust Fund	869	-	226	487	34	38	26	47	12
Other	370	145	2	116	14	75	5	8	6
P.L. 83-480 ⁸	14,851	48	3,839	7,161	747	694	756	799	809
Loans of foreign currency:									
To foreign governments	5,185	48	3,285	1,843	6	(z)	(z)	2	1
To private enterprises	424	-	202	217	4	1	(z)	-	-
Long-term credit sales	9,243	-	352	5,101	737	693	756	796	808
P.L. 80-806 ¹⁰	6,597	-	-	2,433	678	702	1,357	1,120	308
Other	6,246	5,801	137	271	(z)	1	8	9	19
Less: Principal collections	48,198	3,397	8,404	20,469	2,567	2,685	2,908	3,741	4,028
Export-Import Bank Act	21,452	1,803	4,458	9,282	1,029	1,129	1,084	1,289	1,368
Foreign Assistance Act ³	9,594	38	1,263	3,557	780	776	906	1,095	1,179
Country program loans	5,420	1	944	2,481	477	361	386	409	362
Financing of military purchases	3,512	2	222	852	260	362	465	594	755
Social Progress Trust Fund	420	-	9	198	32	33	35	65	47
Other	242	35	68	25	12	19	20	27	15
P.L. 83-480 ⁸	5,186	-	180	3,753	221	251	218	281	281
Loans of foreign currency:									
To foreign governments	2,782	-	111	2,354	82	82	53	53	47
To private enterprises	291	-	43	175	16	14	21	12	9
Long-term credit sales	2,113	-	27	1,223	123	154	145	217	224
Lend-lease, surplus property, and grant settlements	4,409	677	2,001	1,438	99	54	45	46	48
P.L. 80-806 ¹⁰	5,113	-	-	1,763	425	390	561	824	1,051
Other	2,444	880	501	677	12	86	92	94	102

See footnotes at end of table.

Foreign Commerce and Aid

No. 1502. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS: 1945 TO 1980—Con.

[In millions of dollars. See headnote, p. 837.]

PROGRAM	Post WW II peri- od, ¹ total	1945- 1955, total	1956- 1965, total	1966- 1975, total	1976	1977	1978	1979	1980, prel.
Other assistance (net accumulation of foreign currency claims) ¹¹	1,767	541	2,802	-1,290	-54	-39	-52	-69	-72
Developed countries ⁷	196	190	330	-203	-23	-33	-23	-24	-18
Developing countries ⁷	1,572	351	2,472	-1,086	-31	-6	-29	-45	-54
Currency claims acquired	19,853	813	11,498	6,888	129	175	124	127	98
Sales of farm products	14,997	813	11,170	3,013	(Z)	(Z)	(Z)	(Z)	(Z)
Second-stage operations ¹²	4,855	-	329	3,875	128	175	124	127	98
Less: Currencies disbursed	16,085	272	8,696	8,177	182	214	177	196	170
Economic grants and credits to purchasing country	13,393	182	6,863	6,238	42	16	17	22	14
Other uses	4,692	90	1,833	1,940	140	198	160	175	156

- Represents zero. Z Less than \$500,000. ¹ July 1, 1945, through Dec. 31, 1980. All lend-lease and conversions of prior grants to credits are from V-J Day (Sept. 2, 1945). ² For details, see table 1503. ³ Foreign Assistance Act of 1951 (P.L. 87-128), as amended. Also includes predecessor and related programs. ⁴ Includes military assistance under Dept. of Defense Appropriation Act, 1986 (P.L. 89-394) and later acts. ⁵ Includes funds made available under Public Law 93-199 and subsequent legislation to release Israel from its contractual liability to pay for defense articles and services purchased under other legislation. ⁶ Net new grants are not adjusted for settlements for postwar relief and other grants under agreements, and net new credits exclude prior grants converted into credits, which were as follows: July 1945-December 1955, \$2,198 million; 1956-66, \$491 million; 1972, \$994 million. Repayments on these settlements are included in net new credits. ⁷ Developed countries include Australia, Canada, Japan, New Zealand, South Africa, all countries listed under "Western Europe" in table 1503, except Portugal, Spain, Yugoslavia, and Malta, and all countries listed under "Eastern Europe" in table 1503. Developing countries include all other countries listed in table 1503. ⁸ Agricultural Trade Development and Assistance Act. ⁹ Outstanding credits on Dec. 31, 1980, totaled \$53,164 million representing net credits extended since organization of Export-Import Bank, Feb. 12, 1934, less chargeoffs and net adjustments due to exchange rates (\$1,643 million), and excluding World War I debts. The amount repayable in dollars at U.S. Government option was \$50,893 million; the remainder was repayable in foreign currencies, commodities, or services, at the option of the borrowers. ¹⁰ Commodity Credit Corporation Charter Act. ¹¹ Equivalent value of currencies still available to be used, including some funds advanced from foreign governments and after loss by exchange rate fluctuations (\$1,413 million), was \$53 million on Dec. 31, 1980. ¹² Includes foreign currencies acquired from triangular trade operations and principal and interest collections on credits, originally extended under P.L. 83-480, which—since enactment of P.L. 87-128—are available for the same purposes as P.L. 83-480 currencies.

Source: U.S. Bureau of Economic Analysis, press releases and unpublished data.

No. 1503. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS, BY COUNTRIES: 1945 TO 1980

[In millions of dollars. See text, pp. 827-828. Negative figures (—) occur when the total of grant returns, principal repayments, and/or foreign currencies disbursed by the U.S. Government exceeds new grants and new credits utilized and/or acquisitions of foreign currencies through new sales of farm products. See also *Historical Statistics, Colonial Times to 1970*, series U 75-186]

TYPE AND COUNTRY	Post WW II peri- od, ¹ total	1945- 1955, total	1956- 1965, total	1966- 1975, total	1976	1977	1978	1979	1980, prel.
Total, net	212,524	55,134	47,317	68,851	7,931	6,741	7,998	7,736	10,815
Investment in financial institutions	8,200	635	655	2,719	1,102	870	867	551	800
African Development Fund	25	-	-	-	15	10	-	-	-
Asian Development Bank	333	-	-	110	75	31	35	29	53
Inter-American Development Bank	2,999	-	300	1,321	255	307	344	239	233
Int'l. Bank for Reconstr. and Development	719	635	-	13	-	-	38	16	16
International Development Association	4,003	-	320	1,275	757	521	412	241	476
International Finance Corporation	121	-	35	-	-	-	38	26	22
Under assistance programs	204,325	54,499	46,682	66,132	6,830	5,871	7,131	7,185	10,015
Military grants ²	69,690	16,445	19,159	28,720	1,339	768	817	910	1,533
Western Europe (excl. Greece and Turkey)	17,602	9,580	6,554	892	93	71	118	123	171
Near East ² (incl. Greece, Turkey, Egypt) and South Asia	13,945	2,061	3,873	4,007	927	523	604	712	1,240
Africa (excl. Egypt)	440	7	166	225	17	9	7	5	5
Far East and Pacific	35,853	4,403	7,818	23,185	280	145	74	57	110
Western Hemisphere	1,389	236	712	384	16	13	14	6	7
Unspecified areas	460	159	237	47	6	5	(Z)	6	-
Other grants, credits, and other assistance (through net accumulation of foreign currency claims)	134,635	38,054	27,503	37,412	5,490	5,105	6,315	6,275	8,482
Developed countries ³	24,650	27,129	-2,097	-75	159	-188	78	-224	68
Developing countries ⁴	109,785	10,925	29,600	37,487	5,331	5,293	6,237	6,498	8,414

See footnotes at end of table.

No. 1503. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS, BY COUNTRIES: 1945 TO 1980—
Continued[In millions of dollars. See headnote, p. 838. See also *Historical Statistics, Colonial Times to 1970*, series U 75-186]

TYPE AND COUNTRY	Post WW II peri- od, 1 total	1945- 1955, total	1956- 1965, total	1966- 1975, total	1976	1977	1978	1979	1980, prev.
Western Europe	24,701	24,770	-951	140	182	-51	334	-118	394
Austria	1,089	1,019	87	-19	2	-4	-5	-5	14
Belgium and Luxembourg	700	726	-70	16	-2	-8	-7	-7	52
Denmark	302	284	-19	38	-4	(z)	-9	-3	15
France	3,955	5,477	-1,238	-92	-41	-27	-45	-48	-31
Germany, Federal Republic of	2,884	3,907	-852	-111	-22	-14	-14	-14	-14
Iceland	51	34	33	-8	-3	-2	-5	-5	5
Italy	3,143	2,795	120	80	-13	1	-8	-17	184
Malta	84	1	3	47	14	11	10	-	-
Netherlands	865	1,051	-224	115	14	-10	-25	-29	-27
Norway	355	309	-71	265	30	-36	-46	-44	-52
Portugal	923	67	93	14	113	166	476	94	-99
Spain	1,797	195	685	417	18	33	157	134	159
Sweden	122	108	-20	17	11	4	1	-3	5
Switzerland	68	-	(z)	78	8	5	-9	-6	-9
United Kingdom	5,587	6,923	-532	-546	-18	-152	-142	-123	178
Yugoslavia	2,125	860	1,042	84	78	23	39	-25	22
Other * and unspecified	670	1,013	12	-254	-3	-40	-37	-17	-8
Eastern Europe	2,549	1,097	501	226	166	214	424	208	-285
Czechoslovakia	191	191	-	-	-	-	-	-	-
Poland	1,412	425	555	-75	142	135	343	129	-243
Romania	191	-	-	92	22	-21	45	76	-23
Soviet Union	592	425	-59	214	2	99	32	-7	-14
Other	63	55	5	-5	(z)	-	5	8	-4
Near East and South Asia	43,566	3,163	12,338	12,530	2,409	2,661	2,633	3,250	4,582
Afghanistan	526	31	224	183	20	13	12	38	4
Bangladesh	1,379	-	-	701	78	97	168	161	174
Cyprus	182	-	19	20	21	47	24	14	17
Egypt	4,945	41	1,009	271	233	417	619	890	1,466
Greece	2,302	1,324	330	221	121	172	162	24	-52
India	9,492	399	4,796	3,791	120	46	81	84	164
Iran	853	211	477	706	-108	-105	-170	-158	(z)
Israel	10,625	390	483	2,176	1,405	1,476	1,306	1,539	1,849
Jordan	1,491	26	455	455	100	139	72	85	160
Lebanon	249	15	70	83	7	32	13	10	18
Nepal	250	3	86	103	16	12	6	8	16
Pakistan	5,102	178	2,416	2,044	253	84	44	18	65
Sri Lanka (Ceylon)	433	(z)	89	149	21	38	41	39	55
Syria	265	1	57	15	23	48	19	80	22
Turkey	4,003	385	1,418	1,026	57	83	175	334	525
Yemen Arab Rep.	110	-	40	24	8	7	7	9	16
UNRWA ⁵	951	131	274	296	39	55	52	50	54
Other and unspecified	428	27	97	264	-6	-	2	14	30
Africa	9,146	143	2,096	3,358	509	578	620	748	1,095
Algeria	893	1	135	263	67	40	113	150	125
Benin	45	-	7	12	7	9	4	4	2
Botswana	69	-	(z)	35	8	5	13	11	16
Cameroon	122	-	16	50	5	9	3	14	25
Chad	74	(z)	5	20	6	11	13	12	6
Ethiopia	385	9	109	176	34	14	11	13	20
Ghana	346	(z)	64	203	16	19	9	20	16
Guinea	184	-	58	67	9	9	10	4	7
Ivory Coast	113	-	14	57	(z)	8	5	1	27
Kenya	284	(z)	34	76	18	58	21	27	50
Lesotho	76	-	(z)	27	6	6	7	11	20
Liberia	303	25	135	80	15	-1	10	9	30
Libya	206	25	183	-2	-	-	-	-	(z)
Madagascar	27	(z)	7	13	1	1	2	2	2
Malawi	58	-	5	30	5	5	4	4	4
Mali	134	-	10	57	5	8	16	15	25
Mauritania	62	-	1	20	9	3	5	6	17
Morocco	1,106	7	443	382	105	37	57	36	39
Mozambique	71	-	-	1	12	8	10	24	17
Niger	123	-	5	64	9	8	10	17	10
Nigeria	354	(z)	87	283	3	-7	-6	-3	-3
Senegal	175	-	15	48	8	14	23	30	37
Sierra Leone	99	(z)	22	36	7	10	9	5	8

See footnotes at end of table.

Foreign Commerce and Aid

NO. 1503. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS, BY COUNTRIES: 1945 TO 1980—

Continued

[In millions of dollars. See headnote, p. 838. See also *Historical Statistics, Colonial Times to 1970*, series U 75-186]

TYPE AND COUNTRY	Post WW II peri- od, total	1945- 1955, total	1956- 1965, total	1966- 1975, total	1976	1977	1978	1979	1980, prel.
Africa—Continued									
Somalia	198	(2)	42	47	3	3	14	22	67
South Africa	-92	20	-101	-11	(z)	(z)	(z)	(z)	(z)
Sudan	252	-	86	52	-4	9	11	25	73
Tanzania	298	2	34	123	37	30	15	24	30
Togo	49	-	9	18	3	4	2	7	6
Tunisia	874	2	392	344	13	33	30	10	50
Uganda	59	-	12	33	(z)	(z)	(z)	(z)	14
Upper Volta	144	-	5	40	8	15	21	24	30
Zaire	1,027	(z)	248	321	37	117	61	100	144
Zambia	193	-	1	35	8	31	35	40	42
Zimbabwe	26	-	(z)	(z)	-	-	-	-	26
Other and unspecified	814	51	12	360	47	64	82	83	114
Far East and Pacific	30,202	6,754	7,785	10,819	1,081	720	1,240	973	830
Australia	116	1	(z)	276	-46	-50	-36	-29	(z)
Brunel	(z)	-	-	20	-20	-	-	(z)	-
Burma	122	22	78	16	-1	8	2	(z)	(z)
China: Taiwan	2,652	450	862	514	145	69	52	171	388
Hong Kong	83	3	35	41	6	-4	-3	-5	10
Indonesia	2,998	246	437	1,289	333	163	178	214	137
Japan	2,016	2,302	238	-463	58	-48	46	-69	-49
Kampuchea	896	28	228	593	1	(z)	(z)	5	40
Korea, Republic of	7,512	1,358	2,517	2,017	344	250	698	228	101
Laos	908	37	398	472	-	-	-	-	-
Malaysia	132	1	30	84	15	24	5	-16	-10
New Zealand	107	5	-2	95	13	3	-1	-3	-4
Papua New Guinea	(z)	-	(z)	31	-12	-18	(z)	(z)	(z)
Philippines	2,181	893	297	497	109	151	120	141	32
Ryukyu Islands	391	221	90	81	-	-	-	-	-
Singapore	248	-	(z)	78	16	-3	39	93	25
Thailand	885	39	324	281	7	72	24	107	31
Trust Territory of the Pacific Islands	1,121	30	89	488	90	92	100	125	107
Vietnam	6,691	245	2,088	4,359	-	-	-	-	-
Other and unspecified	1,140	933	78	52	25	11	13	11	20
Western Hemisphere	14,277	1,151	4,469	6,367	518	433	293	361	685
Argentina	334	86	294	-5	20	6	-8	-29	-30
Bahamas	(z)	(z)	(z)	29	-1	-21	-1	-3	-2
Bermuda	-1	-	-	18	-8	-6	-2	-1	-1
Bolivia	780	77	275	239	30	32	61	36	29
Brazil	3,231	470	1,200	1,456	145	41	-36	-17	-28
Canada	337	-1	-5	272	13	-19	-8	-9	95
Cayman Islands	2	-	-	12	-1	1	-7	-2	-1
Chile	1,083	85	651	691	-71	12	-32	-184	-68
Colombia	1,240	31	386	786	21	1	7	-6	6
Costa Rica	231	16	81	102	7	5	7	8	3
Dominican Republic	629	-1	173	341	29	1	-3	59	30
Ecuador	309	27	96	125	15	5	16	8	16
El Salvador	236	4	52	87	9	14	11	10	49
Guatemala	416	23	136	141	43	24	16	17	15
Guyana	102	(z)	7	71	7	6	4	3	3
Haiti	279	27	70	42	18	28	29	29	36
Honduras	282	6	50	104	18	18	16	28	20
Jamaica	201	16	2	119	8	7	19	19	12
Mexico	1,116	226	177	304	34	75	17	103	180
Nicaragua	375	8	60	137	17	21	25	29	78
Panama	384	10	102	203	36	10	6	5	12
Paraguay	146	4	63	68	3	4	2	2	-1
Peru	797	42	212	239	43	96	71	95	-2
Trinidad and Tobago	166	-	35	21	-4	-1	-2	28	89
Uruguay	144	6	54	88	5	(z)	-4	-3	-3
Venezuela	247	6	146	107	-22	-19	-3	13	18
Other ^a and unspecified	1,230	-20	152	559	103	91	95	120	128
Other international organizations and unspecified areas	10,193	976	1,265	3,971	626	550	769	854	1,180

^a Represents zero. ^b Less than \$500,000. ^c July 1, 1945, through Dec. 31, 1980; see footnote 1, table 1502. ^d See table 1502, footnote 5. ^e See table 1502, footnote 7. ^f Includes European Atomic Energy Community, European Coal and Steel Community, European Payments Union, European Productivity Agency, North Atlantic Treaty Organization, and former Organization for European Economic Cooperation. ^g United Nations Relief and Works Agency for Palestine refugees. ^h Includes Caribbean Development Bank, Central American Bank for Economic Integration, Inter-American Institute of Agricultural Sciences, Organization of American States, and Pan American Health Organization.

NO. 1504. U.S. FOREIGN ECONOMIC AND MILITARY AID PROGRAMS: 1946 TO 1980

[In millions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30. Economic aid shown here represents total U.S. economic aid—not just aid under Foreign Assistance Act. Major components in recent years include AID, Food for Peace, Peace Corps, and paid-in subscriptions to international financial institutions, such as IBRD, and IDB. Cumulative totals for 1946-1980 are true totals net of deobligation; annual figures, however, are gross unadjusted program figures. Military aid includes Military Assistance Program (MAP) grants, foreign military credit sales, service-funded programs, and excess defense articles]

PERIOD OR YEAR	Total economic and military aid	ECONOMIC AID			MILITARY AID		
		Total	Loans	Grants	Total	Loans	Grants
1946-1980, total	229,106	141,635	47,365	94,270	87,471	17,355	70,116
1946-1952	41,661	31,116	8,518	22,598	10,545	-	10,545
1953-1961	43,358	24,053	5,850	18,203	19,305	161	19,144
1962-1969	50,254	33,992	15,421	17,972	16,862	1,620	15,242
1970-1980	97,678	56,746	19,652	37,095	40,934	15,630	25,303
1970	6,568	3,676	1,389	2,208	2,892	70	2,822
1971	7,838	3,442	1,299	2,143	4,396	743	3,653
1972	9,021	3,940	1,639	2,301	5,080	550	4,530
1973	9,472	4,117	1,391	2,726	5,356	550	4,805
1974	8,510	3,906	1,150	2,756	4,604	1,396	3,208
1975	6,916	4,908	1,679	3,229	2,009	750	1,259
1976	6,412	3,878	1,759	2,119	2,535	1,442	1,093
1976, TO ¹	2,603	1,931	840	1,091	672	494	178
1977	7,784	5,594	2,083	3,511	2,190	1,411	779
1978	9,014	6,661	2,530	4,131	2,353	1,601	752
1979	13,845	7,120	1,900	5,220	6,725	5,173	1,552
1980	9,695	7,573	1,993	5,580	2,122	1,450	672

- Represents zero. ¹ Transition quarter, July-Sept.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual.

NO. 1505. U.S. FOREIGN MILITARY AID, BY SELECTED COUNTRIES: 1962 TO 1980

[In millions of dollars, except percent. For years ending Sept. 30, except as indicated. Military aid data include Military Assistance Program (MAP) grants, foreign military credit sales, International Military Education and Training, and excess defense articles]

REGION AND COUNTRY	1962-1980 ¹		1978, total	1979, total	1980, total	REGION AND COUNTRY	1962-1980 ¹		1978, total	1979, total	1980, total
	Total	Percent grants					Total	Percent grants			
Total	57,795.0	70.0	2,353.0	6,725.0	2,122.0	Europe ² -Con.					
Near East and So. Asia ²	22,394.6	44.2	1,480.8	6,007.5	1,484.2	Norway	199.0	100.0	-	-	-
Egypt	1,501.4	.9	.2	1,500.4	.8	Portugal	162.3	100.0	-	-	-
Greece	2,122.9	53.0	175.0	172.3	147.6	Spain	985.6	51.1	137.0	164.4	125.9
India	146.4	81.0	.3	.5	Latin America ²	1,741.8	46.2	79.2	30.9	21.1	
Iran	844.7	40.3			Argentina	261.5	33.0				
Israel	12,911.6	40.7	1,000.0	4,000.0	1,000.0	Bolivia	79.9	71.2	.8	6.7	.3
Jordan	979.2	54.6	127.4	109.6	Brazil	413.9	34.3				
Lebanon	117.4	93.2	.6	43.1	Chile	146.0	57.1				
Pakistan	208.1	95.1	.6	.5	Colombia	188.1	44.0	52.2	13.0	.3	
Saudi Arabia	223.7	.4			Dominican Rep.	38.5	83.9	.7	1.0	3.5	
Turkey	3,299.8	70.0	175.4	180.3	Ecuador	77.7	50.1	10.7	.4	3.3	
East Asia ²	28,921.7	91.6	452.1	345.0	Guatemala	40.2	73.1				
China, Taiwan	1,893.9	70.9	24.1	(z)	Honduras	31.3	48.9	3.2	2.3	3.9	
Indonesia	397.1	60.5	58.1	34.8	Nicaragua	30.6	73.9	.4	(Z)		
Japan	240.9	85.6	-		Paraguay	30.0	98.7	.6			
Kampuchea	1,198.8	100.0	-		Peru	166.2	48.6	8.9	5.5	3.3	
Korea	5,851.8	73.8	276.8	238.4	Uruguay	57.6	68.0				
Laos	1,481.9	100.0	-		Venezuela	121.5	22.6	.1			
Malaysia	149.8	.4	17.1	8.0	Africa ³	1,083.7	33.2	125.4	96.7	118.9	
Philippines	599.2	75.6	37.3	31.7	Ethiopia	224.3	84.0				
Thailand	1,246.3	86.3	38.6	32.1	Kenya	109.4	.3	27.4	10.4	20.5	
Vietnam	15,797.9	100.0	-		Morocco	308.4	15.9	44.2	46.1	25.9	
Europe ²	1,856.0	69.7	165.0	192.7	Sudan	33.3	5	2	5.3	25.4	
Denmark	71.1	100.0	-		Tunisia	167.0	28.3	26.1	21.1	15.6	
France	62.8	.8	-		Zaire	156.9	25.4	19.5	9.8	6.9	
Italy	268.5	99.9	-		Oceania and other	94.9	.3				
					Interregional	1,702.2	98.8	50.9	52.3	56.4	

- Represents zero. ² Less than \$50,000. ³ From 1962 to 1976, years ended June 30. Includes transition quarter, July 1, 1976 to Sept. 30, 1976. ⁴ Includes amounts not shown separately. Regional totals include aid to entire regions or sub-regions.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual.

Foreign Commerce and Aid

No. 1506. U.S. FOREIGN AID—COMMITMENTS FOR ECONOMIC ASSISTANCE, BY REGIONS AND COUNTRIES: 1962 TO 1980

[In millions of dollars, except percent. Falls under economic portion of the Foreign Assistance Act. Data cover commitments for economic and technical assistance by AID and predecessor agencies. For years ending Sept. 30, except as indicated. See text, pp. 827 and 828.]

REGION AND COUNTRY	GROSS CUMULATIVE TOTAL, 1962-1980 ¹		1978, total	1979, total	1980, total	REGION AND COUNTRY	GROSS CUMULATIVE TOTAL, 1962-1980 ¹		1978, total	1979, total	1980, total
	Total	Percent grants					Total	Percent grants			
	Total	Percent grants	Total	Percent grants	Total	Total	Total	Percent grants	Total	Percent grants	Total
Economic assistance	49,441	58.0	4,086	3,848	4,082	East Asia ²	9,045	79.4	150	173	188
Near East and South Asia ²	18,832	39.9	1,997	2,170	2,200	China, Taiwan	70	11.2	-	-	-
Bangladesh	756	71.7	95	90	80	Indonesia	1,050	19.7	74	95	83
Cyprus	122	98.1	15	15	15	Kampuchea	379	100.0	-	-	-
Egypt	4,305	39.4	751	835	865	Korea	1,080	53.5	(2)	1	-
Greece	135	15.1	-	-	-	Laos	648	99.2	-	-	-
India	3,245	4.8	60	91	103	Philippines	534	41.4	53	44	60
Iran	104	48.6	-	-	-	Thailand	468	83.9	8	22	26
Israel	4,505	68.6	785	785	785	Vietnam	4,490	98.9	1	-	-
Jordan	985	76.7	93	93	69	East Asia Regional	302	100.0	15	12	18
Nepal	98	99.8	10	12	13	Africa ²	4,182	62.5	363	339	435
Pakistan	2,041	8.9	20	9	-	Botswana	60	72.1	15	14	13
Sri Lanka	144	12.3	23	28	31	Cameroon	55	62.4	12	8	6
Syria	464	8.4	90	90	-	Ethiopia	233	41.3	5	3	-
Turkey	1,359	20.2	1	70	198	Ghana	229	24.6	7	8	10
Yemen Arab Rep.	91	98.4	7	17	12	Guinea	61	83.0	2	3	5
Regional	152	100.0	20	31	22	Kenya	191	53.8	30	17	32
Latin America ²	7,524	25.3	228	255	289	Liberia	224	54.0	5	15	16
Argentina	143	11.9	-	-	-	Malawi	51	37.6	(2)	4	4
Bolivia	467	28.9	34	29	5	Mali	92	85.8	10	17	16
Brazil	1,480	11.4	-	-	-	Morocco	202	23.9	10	4	8
Chile	645	5.8	(2)	(2)	(2)	Niger	57	90.4	11	11	10
Colombia	991	6.7	-	-	-	Nigeria	349	65.5	-	-	-
Costa Rica	150	20.3	7	16	14	Senegal	60	97.8	9	15	10
Dominican Rep.	437	39.6	1	26	35	Sudan	156	78.0	8	11	17
Ecuador	163	36.9	1	1	8	Tanzania	137	77.6	17	21	15
El Salvador	166	34.5	8	7	52	Tunisia	281	33.9	20	15	11
Guatemala	207	35.5	5	17	8	Upper Volta	51	100.0	11	16	7
Guyana	117	23.2	25	6	3	Zaire	303	55.1	10	12	24
Haiti	121	78.0	9	9	11	Zambia	105	9.8	30	-	23
Honduras	234	26.6	13	22	46	Zimbabwe	25	100.0	-	-	-
Jamaica	96	24.7	12	6	3	Regional	751	(NA)	98	60	83
Mexico	70	5.3	-	-	-	-	-	-	-	-	-
Nicaragua	236	21.5	13	10	19	Europe ²	689	42.2	362	21	50
Panama	280	22.3	21	20	1	Italy	53	100.0	23	4	3
Paraguay	92	46.7	2	7	1	Malta	76	93.4	10	-	-
Peru	304	28.8	22	34	19	Portugal	475	17.2	300	-	40
Uruguay	82	23.4	(2)	-	-	Spain	59	100.0	7	7	7
Venezuela	57	29.6	-	-	-	Oceania and other	6	100.0	1	1	5
ROCAP ³	282	21.4	2	3	4	Non-Regional	9,162	99.3	997	890	896
Regional	508	90.3	31	14	15	-	-	-	-	-	-

- Represents zero. NA Not available. Z Less than \$500,000. ¹ From 1962 to 1976, years ended June 30. Includes transition quarter, July 1 to Sept. 30, 1976. ² Includes countries not shown separately. ³ Regional programs covering Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Panama.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual; and unpublished data.

No. 1507. EXPORTS FINANCED BY FOREIGN AND AGRICULTURAL AID: 1960 TO 1980

[In millions of dollars, except percent. See headnote, table 1504]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
Exports financed by aid ¹	2,685	3,242	2,543	1,928	1,991	2,351	1,939	1,938	2,217	2,114	1,923
Percent of total exports ²	13.0	11.8	5.9	2.7	2.0	2.2	1.7	1.6	1.5	1.2	.9
Loans and grants (AID)	432	1,140	957	657	570	665	671	802	988	710	673
Military grant-aid	949	779	565	516	598	461	190	62	85	165	156
Agricultural aid (P.L. 480)	3,1304	3,1323	1,021	755	822	1,226	1,078	1,074	1,144	1,239	1,094
Sales for foreign currencies	1,014	899	276	4	-	-	-	-	-	-	-
Donations	173	253	255	209	315	302	307	368	350	418	329
Long-term dollar and convertible foreign currency credit sales	-	152	480	542	507	924	771	706	794	821	765

- Represents zero. ¹ Foreign Assistance Act and Public Law 480; see table 1216. ² For total exports, see table 1508.

³ Includes barter for strategic materials.

Source: U.S. Dept. of Commerce, International Trade Administration, *Overseas Business Reports, U.S. Foreign Trade*, annual.

No. 1508. EXPORTS AND IMPORTS OF MERCHANDISE: 1960 TO 1980

[In billions of dollars, except per capita and percent. Beginning 1970, includes silver ore and bullion. Beginning 1977, includes shipments of nonmonetary gold. For basis of dollar values, see text, pp. 828 and 829. "Special Category" commodities are grouped separately for security reasons. See also *Historical Statistics, Colonial Times to 1970*, series U 190-195 and U 207-212.]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
Total exports ¹	20.6	27.5	43.2	71.3	98.5	107.6	115.0	121.2	143.7	181.8	220.7
Domestic	20.4	27.1	42.6	70.2	97.1	106.1	113.3	119.0	141.2	178.6	216.6
Annual percent change ²	16.8	3.7	13.7	18.1	38.3	9.2	6.8	5.0	18.6	26.5	21.3
Excl. Special Category	19.7	26.2	41.9	69.8	98.4	104.6	112.4	117.8	139.2	175.6	213.3
Special Category .....	.8	1.2	1.4	1.6	2.1	3.0	2.6	3.2	4.5	3.0	3.3
Foreign (Initially imports) .....	.2	.3	.6	1.1	1.4	1.5	1.7	2.2	2.5	3.2	4.1
Total exports, excluding M.A.P. ³	19.6	26.7	42.7	70.8	97.9	107.1	114.8	121.2	143.6	181.7	220.5
M.A.P. ³ Grant-Aid ⁴ .....	.9	.8	.6	.5	.6	.5	.2	.1	.1	.2	.2
General imports ⁵	14.7	21.4	40.0	69.5	101.0	96.9	120.7	147.7	172.0	206.3	240.8
Annual percent change ²	-3.6	14.4	10.8	25.0	45.4	-4.1	25.7	22.4	16.5	20.0	16.7
Merchandise trade balance ⁶	5.0	5.3	2.7	1.3	-3.1	10.2	-5.9	-26.5	-28.5	-24.7	-20.2
Per capita ⁷ (dollars):											
Domestic exports	113	140	208	334	458	497	527	549	646	810	956
General imports	81	110	195	330	477	454	561	681	787	935	1,063
Imports for consumption ⁸	14.7	21.3	39.8	69.0	100.1	96.5	121.1	147.1	172.9	205.9	239.9
Free	5.8	7.4	13.9	28.3	52.1	31.0	37.2	43.6	51.8	103.3	107.0
Percent of total	39	35	35	41	52	32	31	30	30	50	45
Dutiable	8.9	13.8	25.9	40.8	48.1	65.5	83.8	103.4	121.1	102.6	133.0
Duties calculated	1.1	1.6	2.6	3.6	3.8	3.8	4.7	5.5	7.2	7.2	7.5
Percent of imports	7.5	7.5	6.5	5.2	3.8	3.9	3.9	3.7	4.2	3.5	3.1

¹ Includes "Special Category" items. ² From previous year. (For 1960, from 1959; 1965 from 1964, etc.) ³ M.A.P. = Military Assistance Program. ⁴ Represents shipments only from U.S. and may differ from U.S. Dept. of Defense figures because of differences in statistical definitions. ⁵ Prior to 1976, customs value basis; thereafter, f.a.s. value basis. ⁶ For figures adjusted to balance of payments basis, see table 1494. Total domestic and foreign exports excluding M.A.P. Grant-aid shipments, minus general imports. ⁷ Based on estimated population including Armed Forces abroad as of July 1, except 1970 and 1980 as of April 1. ⁸ Customs value basis.

Source: U.S. Bureau of the Census. For 1960, *Foreign Commerce and Navigation of the United States*; thereafter, *Highlights of U.S. Export and Import Trade*, FT 990, monthly.

No. 1509. EXPORTS AND IMPORTS OF MERCHANDISE FOR CONSUMPTION, BY CUSTOMS REGIONS: 1965 TO 1980

[In millions of dollars. Exports include reexports; imports are on customs value basis. See *Historical Statistics, Colonial Times to 1970*, series U 264-273, for related data]

CUSTOMS REGIONS	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
Exports, total ¹	27,346	43,226	49,676	71,339	98,507	107,592	114,992	121,212	143,663	181,816	220,705
Boston	156	3,297	4,478	5,713	7,713	7,809	8,687	9,613	10,275	12,361	14,339
New York	7,158	10,037	9,839	12,738	17,476	16,733	19,372	19,920	23,612	32,803	38,949
Baltimore	692	3,912	4,397	6,310	10,347	12,525	13,074	12,395	14,425	18,030	21,467
Miami	612	1,983	2,658	3,518	5,442	6,232	7,298	8,692	10,338	13,586	17,502
New Orleans	2,243	3,946	4,560	7,452	10,725	11,314	12,202	12,787	14,836	17,856	22,046
Houston	1,857	4,028	4,834	7,932	11,278	12,877	12,455	12,180	15,365	21,298	28,321
Los Angeles	781	2,508	2,408	4,059	5,878	6,446	7,136	7,274	9,211	13,029	17,008
San Francisco	1,115	4,936	5,622	8,782	11,666	11,465	13,086	13,375	17,115	23,520	29,292
Chicago	470	6,241	8,665	11,480	13,484	15,328	17,130	18,817	21,823	23,523	25,187
Imports, total ¹	21,366	39,963	55,555	69,024	100,140	96,516	121,121	147,939	172,912	205,850	239,944
Boston	684	5,678	7,491	8,997	11,037	9,946	12,376	14,681	17,870	19,934	21,636
New York	6,619	10,050	12,568	15,557	20,417	18,053	21,995	26,104	33,184	37,775	43,388
Baltimore	773	3,936	5,640	7,257	12,719	11,888	13,232	15,378	18,424	22,172	26,793
Miami	453	2,412	4,051	4,811	7,118	6,444	7,920	9,226	11,156	12,760	14,915
New Orleans	821	1,630	2,145	2,873	5,724	6,790	9,307	13,147	14,139	19,231	25,467
Houston	591	1,754	2,668	3,025	7,873	8,789	12,604	17,410	20,681	28,135	34,717
Los Angeles	1,192	3,268	4,916	6,531	9,049	8,569	11,078	13,611	16,288	18,779	22,161
San Francisco	704	3,569	5,074	6,394	10,497	10,599	13,933	15,983	17,842	20,823	24,989
Chicago	597	7,341	10,621	12,407	15,327	15,061	18,921	21,360	23,273	25,894	25,591

¹ Includes data on low-value shipments not distributed by customs region.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990, monthly.

No. 1510. EXPORT AND IMPORT UNIT VALUE INDEXES—SELECTED COUNTRIES: 1960 TO 1980

[Indexes in U.S. dollars, 1975=100. A unit value is an implicit price derived from value and quantity data]

COUNTRY AND ITEM	1960	1965	1968	1969	1970	1971	1972	1973	1974	1976	1977	1978	1979	1980
Exports: U.S.	46	49	52	54	56	58	60	70	89	103	107	115	134	148
Japan	57	49	50	52	55	58	65	78	100	99	108	130	139	150
France	43	46	47	48	49	52	58	72	84	98	105	120	139	155
Germany	36	40	40	41	48	52	58	73	88	102	112	129	145	157
Italy	48	48	47	49	51	54	60	70	89	94	107	119	143	158
United Kingdom	47	51	50	51	55	59	65	71	86	97	112	135	164	203
Canada	49	47	51	52	56	58	61	69	94	106	104	106	124	145
Imports: U.S.	40	40	42	43	46	49	52	62	92	103	112	121	142	181
Japan	38	38	38	37	40	42	44	55	95	103	110	115	145	196
France	46	46	46	46	48	50	55	67	91	99	108	118	138	185
Germany	40	42	41	43	48	50	55	71	93	103	114	127	152	176
Italy	37	38	39	40	41	43	48	61	95	98	108	118	143	180
United Kingdom	42	43	43	44	48	51	54	68	93	99	112	127	153	193
Canada	53	54	56	58	61	64	67	71	90	103	108	114	126	147

Source: International Monetary Fund, Washington, D.C., *International Financial Statistics*, monthly.

No. 1511. EXPORTS AND IMPORTS—INDEXES OF TOTAL VALUE, UNIT VALUE (AVERAGE PRICE), AND QUANTITY: 1970 TO 1980

[1977 average=100. See headnote, table 1510. See also *Historical Statistics, Colonial Times to 1970*, series U 225-248]

ECONOMIC CLASS	INDEX OF EXPORTS OF U.S. MERCHANDISE						INDEX OF GENERAL IMPORTS							
	1970-1975, avg.	1975	1976	1977	1978	1979	1980	1970-1975, avg.	1975	1976	1977	1978	1979	1980
Total value.....	57.3	89.7	95.9	100.0	119.7	151.3	183.6	46.6	66.5	83.6	100.0	118.9	142.1	165.5
Foods; Crude.....	70.8	125.0	120.9	100.0	134.7	167.2	205.0	44.7	51.5	73.9	100.0	102.5	108.8	108.5
Manufactured.....	56.7	78.8	88.9	100.0	124.1	145.1	177.7	73.6	88.4	92.9	100.0	120.4	142.5	154.0
Materials, crude.....	78.8	116.5	126.4	100.0	167.6	215.1	254.4	25.0	57.8	78.6	100.0	98.5	137.6	180.5
Manufactures: Semi.....	64.9	90.8	98.8	100.0	133.9	219.4	266.5	52.5	69.1	81.8	100.0	116.5	136.9	150.8
Finished.....	55.1	87.9	94.9	100.0	116.1	138.6	168.1	54.4	70.2	87.4	100.0	134.0	150.5	169.1
Unit value.....	67.4	92.8	96.1	100.0	106.9	121.6	138.1	59.8	89.4	92.2	100.0	107.9	128.7	161.4
Foods; Crude.....	84.1	128.2	115.8	100.0	108.3	125.6	140.0	39.2	46.1	63.0	100.0	93.4	96.6	103.8
Manufactured.....	76.7	99.8	91.6	100.0	108.4	118.8	121.4	87.5	122.1	105.9	100.0	111.7	133.8	169.5
Materials, crude.....	58.3	88.4	90.3	100.0	104.4	115.5	122.1	46.1	86.0	92.8	100.0	102.7	137.7	224.2
Manufactures: Semi.....	69.7	100.9	95.5	100.0	106.7	133.6	167.5	57.4	91.9	90.5	100.0	106.6	142.0	171.3
Finished.....	67.0	87.4	95.1	100.0	107.9	119.4	134.8	66.6	92.8	94.6	100.0	112.4	123.1	134.9
Quantity.....	82.3	96.6	99.8	100.0	111.9	124.5	133.0	77.4	74.4	90.7	100.0	110.2	110.4	102.5
Foods; Crude.....	78.4	97.5	104.5	100.0	124.5	133.1	146.5	114.5	112.0	117.4	100.0	109.7	112.7	104.5
Manufactured.....	73.1	79.0	97.1	100.0	114.6	119.2	146.4	84.7	72.4	87.8	100.0	107.8	106.5	90.8
Materials, crude.....	88.8	88.1	93.6	100.0	111.6	124.5	139.3	53.7	67.3	84.7	100.0	95.9	99.8	80.5
Manufactures: Semi.....	92.0	90.0	103.5	100.0	125.6	164.3	159.1	92.4	75.2	90.4	100.0	109.3	96.5	88.1
Finished.....	79.9	100.6	99.8	100.0	107.7	116.1	124.7	81.0	75.7	92.3	100.0	119.2	122.2	125.4

Source: U.S. Bureau of the Census, *Indexes of U.S. Exports and Imports by Economic Class, 1919-1971*, and unpublished data.

No. 1512. EXPORTS AND IMPORTS—VALUE, BY BROAD END-USE CLASS: 1967 TO 1980

[Data are adjusted to balance of payments basis, excluding military; for details, see source. Exports include re-exports. See also *Historical Statistics, Colonial Times to 1970*, series U 249-263]

END-USE CLASS	TOTAL (bil. dol.)									PERCENT		
	1967	1970	1974	1975	1976	1977	1978	1979	1980 ¹	1967	1970	1980 ¹
Exports, total ²	30.7	42.5	98.3	107.1	114.7	120.8	142.1	184.5	224.0	100	100	100
Foods, feeds, and beverages.....	5.0	5.9	18.6	19.2	19.8	19.7	25.2	30.0	35.8	16	14	16
Industrial supplies and materials.....	10.0	13.8	30.1	29.9	32.1	34.5	39.2	58.4	71.8	33	22	32
Capital goods, except automotive.....	9.9	14.6	30.9	36.6	39.1	39.8	46.5	58.8	74.1	32	34	33
Automotive vehicles and parts ³	2.8	3.9	8.6	10.6	12.1	13.4	15.6	18.2	17.3	9	9	8
Consumer goods (nonfood) ⁴	2.1	2.8	6.4	6.6	8.0	8.9	10.4	12.8	16.7	7	7	7
General imports, total ²	26.9	39.9	103.6	98.0	124.0	151.7	175.8	211.8	249.3	100	100	100
Foods, feeds, and beverages.....	4.6	6.1	10.5	9.6	11.5	14.0	15.4	17.4	18.1	17	15	7
Industrial supplies and materials.....	12.0	15.3	54.4	51.0	64.3	80.7	84.8	110.4	134.5	45	38	54
Capital goods, except automotive.....	2.5	4.0	9.8	10.2	12.3	14.0	19.2	24.6	30.3	9	10	12
Automotive vehicles and parts ³	2.4	5.5	12.0	11.7	16.2	18.6	24.2	25.5	27.1	9	14	11
Consumer goods (nonfood) ⁴	4.2	7.4	14.4	13.2	17.2	21.8	28.9	30.6	34.4	16	19	14

¹ Preliminary. ² Includes other end-use items, not shown separately. ³ Includes engines. ⁴ Excludes automotive.Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1981.

Domestic Exports and Imports

845

NO. 1513. DOMESTIC EXPORTS AND IMPORTS OF LEADING COMMODITIES—VALUE, BY AREAS: 1979 AND 1980

[In millions of dollars, except percent. Includes nonmonetary gold. F.o.s. (free alongside ship) transaction value basis]

SELECTED COMMODITIES	1979					1980				
	Total ¹	Canada	Ameri- can Re- pub- lics	West- ern Eu- rope	Far East	Total ¹	Canada	Ameri- can Re- pub- lics	West- ern Eu- rope	Far East
Domestic exports, total	178,578	32,161	25,803	53,183	37,356	216,592	34,102	35,378	66,263	47,799
Agricultural commodities	34,745	1,650	3,256	10,195	10,662	41,256	1,852	5,672	12,008	13,528
Nonagricultural commodities	143,833	30,512	22,546	42,988	26,695	175,336	32,250	29,707	54,254	34,271
Food and live animals	22,245	1,279	2,397	5,233	6,268	27,744	1,451	4,523	6,626	8,247
Meat and meat preparations	1,127	85	92	302	451	1,293	77	120	345	455
Grain and cereal preparation	14,451	132	1,684	2,489	4,176	18,079	178	3,142	3,059	6,191
Wheat and wheat flour	5,491	1	968	510	1,575	6,586	1	1,248	622	2,655
Corn	7,022	58	372	1,762	2,070	8,570	92	1,329	2,076	2,483
Beverages and tobacco	2,337	29	130	906	641	2,663	89	146	1,133	639
Crude materials, ex. fuels	20,755	1,644	1,217	7,932	8,132	23,791	1,826	1,747	9,211	9,615
Soybeans	5,708	79	176	2,961	1,592	5,883	105	295	3,262	1,759
Logs and lumber	2,798	303	54	477	1,846	2,675	261	91	510	1,668
Metal ores and scrap	3,325	388	246	1,484	1,126	4,518	546	318	2,052	1,528
Mineral fuels and related materials	5,616	1,536	618	1,758	1,388	7,982	1,843	843	2,686	2,113
Bituminous coal	3,328	887	236	1,142	974	4,523	805	285	1,894	1,388
Chemicals and related products	17,306	1,994	3,814	5,596	3,961	20,740	2,134	4,846	6,429	5,133
Manufactured goods	16,236	3,651	2,980	4,520	2,490	22,255	3,773	4,422	6,851	3,783
Textile yarn, fabric, articles	3,189	610	524	1,177	318	3,632	621	634	1,216	421
Iron and steel	2,342	580	670	281	435	3,123	537	1,165	517	389
Machinery	44,741	8,536	8,250	12,701	7,422	55,790	9,531	10,585	16,500	9,744
Power generating	6,840	1,797	1,142	1,747	852	8,428	1,855	1,462	2,207	1,319
Agricultural ²	2,636	1,120	511	354	158	3,104	1,154	703	369	176
General industrial	8,562	1,800	1,759	1,748	1,136	10,415	1,985	2,263	2,275	1,427
Office machinery and computers	6,475	826	613	3,681	828	8,709	1,011	798	5,007	1,225
Telecommunications	2,957	398	717	828	498	3,454	383	931	993	616
Electrical ³	6,635	1,265	1,404	2,373	2,550	10,485	1,372	1,748	3,035	3,185
Transport equipment	25,750	9,544	3,374	4,632	3,360	26,839	8,463	4,559	6,215	4,355
Automobile, motor vehicles ⁴	15,077	8,699	2,145	1,436	693	14,590	7,601	2,687	1,442	610
Aircraft and parts	9,719	697	945	3,021	2,567	12,816	707	1,302	4,563	3,585
Professional, scientific, and controlling instruments	4,289	529	513	1,750	852	5,256	722	624	2,192	945
General Imports, total	206,327	38,099	24,782	41,684	51,752	240,834	41,455	29,851	46,418	81,568
Agricultural commodities	16,881	981	6,955	2,681	2,647	17,425	1,071	7,125	2,826	2,624
Nonagricultural commodities	189,446	37,139	17,827	39,002	49,105	223,409	40,385	22,726	43,591	58,944
Food and live animals	15,171	1,333	7,920	2,533	1,555	15,763	1,393	7,437	1,553	1,769
Meat and meat preparations	2,539	169	522	218	11	2,346	239	431	198	9
Fish, incl. shellfish	2,639	595	792	390	567	2,612	561	788	369	551
Vegetables and fruit	2,062	71	1,208	228	412	2,047	81	1,162	228	456
Coffee	3,820	(2)	2,911	8	283	3,872	2,872	70	305	
Beverages and tobacco	2,566	342	195	1,876	51	2,772	388	227	1,977	63
Crude materials, ex. fuels	10,651	5,867	1,015	634	1,343	10,498	5,239	1,103	683	1,348
Wood and paper base stocks	4,460	4,237	70	20	95	3,907	3,705	93	21	53
Metal ores and scrap	3,247	1,116	589	140	137	3,686	1,044	630	206	208
Mineral fuels and related materials	60,061	5,589	8,932	3,325	3,860	79,058	7,114	12,821	4,560	5,625
Crude petroleum	46,100	1,888	5,852	2,113	2,910	62,014	2,207	8,497	3,987	4,650
Petroleum products	9,946	592	2,969	857	631	11,757	683	3,686	547	892
Natural gas	3,579	3,053	110	8	38	5,155	4,164	641	21	51
Chemicals and related products	7,485	2,362	405	3,448	824	8,583	2,494	536	3,953	966
Manufactured goods	30,065	7,197	2,381	8,074	9,062	32,190	8,176	2,433	7,833	10,108
Paper, paperboard	3,150	2,779	42	266	47	3,350	3,041	26	233	45
Iron and steel	7,466	968	354	2,596	3,062	7,384	1,030	366	2,172	3,291
Nonferrous metals	6,320	1,654	1,015	1,376	895	7,623	2,454	1,128	1,298	1,222
Machinery	28,045	3,948	2,118	8,775	12,914	31,904	4,014	2,297	10,225	15,035
Power generating	3,472	1,037	274	1,543	601	3,833	906	218	2,068	617
General industrial	3,570	639	87	1,723	1,072	3,940	645	96	1,930	1,214
Telecommunications	6,175	291	717	328	4,821	6,715	314	772	323	5,289
Electrical ³	6,588	514	842	1,301	3,869	8,064	592	976	1,515	4,897
Transport equipment	25,634	8,625	357	6,682	9,804	28,642	8,291	375	7,412	12,321
Automobiles, buses, trucks	16,870	5,313	(2)	4,480	7,073	19,163	5,349	(2)	4,655	9,154
New passenger cars	14,813	3,705	(2)	4,437	6,671	16,776	3,801	(2)	4,608	8,367
Motor vehicle parts	5,205	2,521	273	861	1,524	4,971	2,078	291	1,021	1,551
Clothing	5,876	53	566	517	4,564	6,427	51	570	453	5,188
Footwear	2,859	33	309	1,323	1,120	2,808	24	310	935	1,454

- Represents zero. Z Less than \$500,000. ¹ Includes countries and regions not shown separately. ² Agricultural machinery and parts and tractors, excluding tractor parts. ³ Electrical machinery, apparatus, appliances, and parts. ⁴ Includes motor vehicle and tractor parts, except tires, engines, and electrical parts.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, Report FT 990, December issues.

O 1514. EXPORTS AND IMPORTS OF MERCHANDISE, BY CONTINENTS, AREAS, AND COUNTRIES: 1965 TO 1980

In millions of dollars, except percent. Beginning 1970, includes silver ore and bullion. See *Historical Statistics, Colonial Times to 1970*, series U 317-352, for selected countries.

Other Western Hemisphere	487	837	1,444	1,481	1,592	1,835	2,200	2,688	696	1,057	4,210	3,891	4,648	4,392	5,696	7,183				
Bahamas	107	173	208	199	224	284	394	396	24	82	880	670	1,058	977	1,587					
Barbados	9	22	36	49	59	79	120	136	5	9	34	30	32	39	57	96				
Belize	8	11	26	23	31	41	67	58	7	7	34	13	20	29	30	60				
Bermuda	44	92	63	79	87	109	121	136	1	1	3	4	5	14	10	13				
French West Indies	11	15	26	32	34	47	59	67	7	9	1	1	5	4	4	6				
Greenland	(2)	1	8	4	3	1	1	3	4	2	7	8	17	20	20	14				
Guyana	20	25	89	95	62	54	74	96	21	43	87	62	54	61	65	120				
Jamaica	87	218	381	285	271	289	292	305	125	187	307	312	345	385	375	383				
Leeward and Windward Islands	13	32	41	38	65	79	98	152	2	6	15	19	9	25	32	34				
Netherlands Antilles	75	126	228	248	304	377	412	446	319	416	1,559	1,174	1,292	1,262	1,830	2,564				
Suriname	36	35	79	93	119	115	114	136	33	56	108	87	119	119	106	109				
Trinidad and Tobago	75	84	256	303	306	330	462	680	142	232	1,171	1,500	1,677	1,425	1,559	2,378				
Other	1	4	3	24	27	30	46	75	5	8	4	8	16	13	19	24				
Western Europe	9,224	14,455	29,945	32,395	34,760	39,929	54,342	67,511	6,155	11,169	20,892	22,789	27,569	36,943	41,681	46,416				
OECD ⁶	9,066	14,279	29,575	32,048	34,346	39,405	53,514	66,654	6,091	10,070	20,627	22,398	27,310	36,072	41,222	45,952				
European Economic Com. ⁷	7,115	11,299	22,885	25,400	27,092	32,046	42,531	52,679	4,032	9,222	16,733	17,844	22,239	29,006	33,239	35,558				
Belgium and Luxembourg	650	1,195	2,417	2,993	3,198	3,653	5,187	6,661	484	696	1,193	1,119	1,453	1,762	1,741	1,914				
Denmark ⁸	209	227	532	444	532	585	732	863	147	284	464	560	583	694	707	725				
France	971	1,483	3,031	3,446	3,503	4,166	5,150	7,485	615	942	2,164	2,509	3,032	4,051	4,758	5,247				
Germany, Fed. Rep. of	1,650	2,741	5,194	5,731	5,989	6,937	8,478	10,960	1,341	3,127	5,410	5,592	7,238	9,962	10,955	11,681				
Ireland ⁷	69	112	180	280	378	527	685	836	58	135	178	201	236	320	323	411				
Italy	881	1,353	2,857	3,071	2,790	3,381	4,382	5,511	620	1,316	2,457	2,530	3,037	4,102	4,917	4,113				
Netherlands	1,088	1,651	1,933	1,643	4,812	5,688	6,977	8,669	251	526	1,089	1,080	1,488	1,910	1,853	1,910				
Trieste, Free Territory of	2	(X)	1	(X)																
United Kingdom ¹	1,615	2,536	4,801	5,951	4,527	7,116	10,635	12,694	1,405	2,134	3,773	4,254	5,141	6,514	8,038	9,755				
Other OECD ⁶	1,921	2,981	6,710	6,639	7,284	7,357	10,922	12,975	1,159	3,894	4,553	5,120	7,066	7,980	9,994					
Austria ⁸	58	74	181	197	243	295	360	447	66	120	243	237	281	407	379	386				
Finnland ⁸	76	99	261	350	591	559	689	811	922	44	114	149	189	280	368	439				
Greece	172	203	32	35	36	50	541	558	48	79	20	47	124	174	167	183				
Iceland	18	13	196	510	500	541	687	843	124	142	403	651	766	1,190	1,226	200				
Norway	140	186	400	561	525	681	911	56	92	157	128	148	146	148	148	243				
Portugal	75	128	427	400	561	1,851	1,884	2,506	3,179	133	353	885	914	977	1,257	1,302				
Spain	472	216	2,020	1,972	1,915	1,029	1,101	1,091	1,515	1,767	243	399	887	918	998	1,328	1,617			
Sweden ⁹	336	543	925	1,153	1,173	1,748	3,820	3,854	540	83	459	306	1,025	1,180	1,820	2,076				
Switzerland ^s	369	700	608	451	424	358	354	540	83	70	145	222	148	175	201	278				
Turkey	205	315	608	369	348	414	524	628	858	99	265	392	359	411	409	464				
Other Western Europe	158	183	328	298	357	475	756	756	61	96	261	385	347	395	389	446				
Yugoslavia	149	168	328	291	51	57	49	72	3	3	12	6	12	16	16	20				
Other Special Category ^p	9	15	41	51	51	51	51	51	51	51	51	51	51	51	51	51	51			

See footnotes at end of table.

NO. 1514. EXPORTS AND IMPORTS OF MERCHANDISE, BY CONTINENTS, AREAS, AND COUNTRIES: 1965 TO 1980—Continued

[In millions of dollars, except percent. See headnote, p. 846]

CONTINENT, AREA, AND COUNTRY	EXPORTS, DOMESTIC AND FOREIGN ¹										GENERAL IMPORTS ²										
	1965	1970	1975	1976	1977	1978	1979	1980	1965	1965	1965	1965	1965	1965	1965	1976	1977	1978	1979	1980	
Communist areas in Europe.....	140	354	2,787	3,504	2,544	3,679	5,684	3,860	137	226	731	856	1,132	1,502	1,866	1,433	25				
Bulgaria.....	4	15	30	43	24	48	56	161	2	2	20	27	18	19	35						
Czechoslovakia.....	28	23	53	149	75	106	281	479	17	24	31	37	37	58	51						
German Dem. Rep.	12	33	17	65	36	170	356	7	9	11	11	14	17	35	36						
Hungary.....	9	28	76	63	81	99	78	80	2	6	35	48	46	46	66						
Poland.....	35	70	583	623	439	680	793	714	66	13	133	197	232	324	423						
Romania.....	6	66	191	250	260	319	501	722	2	13	255	220	453	345	328						
Soviet Union.....	45	119	1,885	2,310	1,628	2,252	3,607	1,513	43	72	12	(2)	3	5	539						
Other.....	(2)	(2)	(2)	1	1	5	12	(2)	(2)	(2)	3	3	5	(2)	9						
6,012	10,027	28,223	29,729	31,436	39,630	48,771	60,168	4,528	9,621	27,252	39,367	49,312	58,264	66,739	78,948						
Asia.....																					
Japan.....	2,080	4,652	9,563	10,145	10,529	12,885	17,581	20,790	2,414	5,875	11,425	15,504	18,550	24,558	26,248						
Communist areas.....	(2)	(2)	305	136	116	824	1,725	3,756	4	1	160	203	204	329	597	30,701					
Other Asia.....	3,932	5,375	18,356	19,448	20,736	25,921	34,466	35,622	2,110	3,745	15,667	23,560	30,558	33,478	39,834	47,091					
Near East Asia.....																					
Bahrain.....	831	1,346	8,293	9,234	10,938	12,412	11,030	11,900	376	348	5,401	9,011	12,849	11,613	14,989	17,280					
Iran.....	10	12	90	280	203	157	158	197	2	8	100	30	75	29	11						
Iraq.....	195	326	3,244	2,772	2,731	3,685	1,021	23	88	67	1,398	1,480	2,802	2,877	2,784	339					
Israel.....	49	22	310	382	211	317	442	724	20	3	19	110	110	381	243	618	352				
Jordan.....	224	592	1,551	1,409	1,447	1,925	1,855	2,045	62	150	314	423	512	720	750	943					
Kuwait.....	27	63	195	234	302	235	334	407	(2)	(2)	1	(2)	3	1	4						
Lebanon.....	66	86	472	548	745	765	886	876	47	25	111	38	215	50	87						
Saudi Arabia.....	75	64	368	49	124	142	280	303	6	13	33	5	42	42	50						
Syria.....	137	141	1,502	2,774	3,575	4,370	4,825	5,768	106	20	2,623	5,213	6,347	9,307	12,983	12,509					
Other.....	13	11	128	273	134	143	229	239	2	2	7	10	16	37	165						
East and South Asia.....																					
Afghanistan ¹⁰	3,100	4,030	10,095	10,213	10,687	13,509	18,436	23,722	1,735	3,387	10,267	14,649	17,710	21,965	24,905	29,811					
Burma ¹⁰	14	10	19	13	13	17	66	11	12	4	8	12	15	12	12						
China, Taiwan.....	224	527	1,659	1,635	1,798	2,342	3,437	93	549	1,946	2,989	3,671	5,170	5,902	6,850						
Hong Kong.....	191	406	808	1,117	1,282	1,625	2,083	2,686	343	944	1,573	2,413	3,474	4,736	5,985						
India ¹⁰	928	572	1,280	1,136	779	948	1,167	1,689	288	549	708	776	978	1,038	1,098						
Indonesia.....	42	266	810	1,035	763	751	981	1,545	165	182	2,222	3,004	3,475	5,807	5,621	5,182					
Kamtschatka.....	2	2	68	120	(2)	(2)	(2)	(2)	26	2	1	1	(2)	(2)	(2)						
Korea, Republic of.....	274	643	1,782	2,015	2,371	3,160	4,190	4,685	54	370	1,424	2,044	2,883	3,746	4,047	4,147					
Laos ¹⁰	9	8	4	(2)	(2)	1	(2)	(2)	1	(2)	(2)	1	1	1	1	1	2	2	2	2	
Malaysia.....	91	67	303	536	561	728	932	1,337	212	270	772	940	1,318	1,519	2,146						
Pakistan ¹⁰	325	372	394	396	325	529	642	529	496	289	566	556	556	556	84						

Trade Destination and Origin

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Philippines.....	349	373	832	818	865	1,172	1,041	1,570	2,330	3,033	369	472	756	883	1,110	1,207	1,490	1,730
Singapore.....	240	10	12	36	37	53	63	57	62	33	81	534	695	883	1,068	1,467	1,920	1,920
Sri Lanka ¹⁰	107	150	357	347	510	629	961	1,265	41	100	40	43	67	100	127	127	127	127
Thailand ¹⁰	501	416	681	151	205	217	265	376	14	17	154	217	275	346	439	600	816	816
Other and Special Category ⁹	986	1,189	2,340	2,690	2,877	3,464	4,319	4,876	453	871	1,508	1,671	1,728	2,350	2,953	353	484	484
Oceania.....																		3,392
Australia.....	797	986	135	411	2185	2,912	3,617	4,038	533	598	621	1,147	1,211	1,185	1,659	2,164	2,509	2,509
New Zealand and N. Samoa.....	133	25	68	114	88	417	405	409	143	169	12	222	245	330	528	707	702	702
Other.....											38	116	120	166	201	201	181	181
Africa.....	1,229	1,580	5,499	5,206	5,546	5,887	6,299	9,086	878	1,113	8,289	12,644	17,121	16,888	* 24,382	32,251		
Algeria.....	13	38	53	487	527	374	404	542	8	10	1,359	2,209	3,104	3,482	4,943	6,577	6,577	
Angola.....	7	19	30	40	54	52	61	93	13	25	18	264	264	264	227	325	527	527
Cameroon.....	1	1	1	1	1	1	1	1	1	10	6	24	38	7	7	203	605	605
Central African Republic.....	158	77	633	610	582	1,134	1,133	1,133	1,134	1,134	1,134	1,134	1,134	1,134	1,134	1,134	1,134	1,134
Egypt.....	22	25	72	78	58	103	103	103	103	103	103	103	103	103	103	103	103	103
Eritrea.....	5	7	59	46	97	32	48	11	9	64	67	49	94	96	109	109	109	109
Gabon.....	36	59	100	133	146	126	91	127	59	91	151	155	214	215	225	225	225	225
Ghana.....	11	36	78	64	89	93	128	185	95	141	13	157	248	300	415	363	363	363
Ivory Coast.....	24	34	49	43	77	138	61	107	103	113	23	36	60	92	151	50	54	54
Kenya.....	39	46	90	85	91	106	107	107	107	107	51	51	96	99	106	136	136	136
Liberia.....	65	108	292	277	314	425	468	509	509	509	30	39	1,045	2,243	3,817	3,779	5,256	5,256
Liberian Republic.....	4	7	6	6	7	9	61	7	7	29	32	46	60	76	106	106	91	91
Mauritania.....	56	89	200	297	372	406	206	271	271	20	2	1	(2)	(2)	1	(2)	(2)	(2)
Morocco.....	9	22	18	13	20	30	69	7	10	10	10	17	22	44	44	44	44	44
Mozambique.....	74	129	588	770	958	985	632	1,150	60	71	3,281	4,938	6,132	4,709	8,161	10,905	10,905	
Nigeria.....	48	583	1,302	1,348	1,054	1,080	1,413	2,483	226	290	840	925	1,261	2,259	2,616	3,320	3,320	3,320
South Africa, Republic of.....	15	7	103	106	107	157	103	142	7	12	8	24	18	14	16	16	17	17
Sudan.....	7	12	66	36	39	48	36	36	62	11	24	29	47	80	81	46	32	32
Tanzania.....	44	49	90	82	111	175	175	175	175	175	2	3	26	56	11	21	95	95
Tunisia.....	2	4	15	6	14	(2)	1	12	43	48	61	107	246	246	246	246	246	246
Uganda.....	71	62	188	99	114	144	133	155	38	41	67	193	193	193	225	225	225	225
Zaire.....	(X)	31	86	48	49	44	68	98	98	98	2	(2)	161	161	161	121	121	121
Zambia.....	103	69	277	312	359	405	549	549	549	549	549	549	549	549	549	549	549	549
Other.....																		

— Represents zero. X Not applicable. Z Less than \$500,000. ¹ For 1965, reflects reclassification of Special Category commodities as authorized January 5, 1968; area and country totals reflect relaxation of security restrictions as authorized July 17, 1969. ² 1965-1975, customs value basis; thereafter, f.a.s. value basis. ³ Includes estimates for low-valued shipments from countries which could not be identified because of illegible reporting on import entries. ⁴ Includes undeclared countries, not shown separately. ⁵ Developed countries include Canada, Western Europe, Japan, Australia, New Zealand, and South Africa; developing countries include rest of the world excluding Communist areas in Europe and Asia. Assignment of countries generally follows that made by United Nations. (See table 154.) ⁶ OECD = Organization of Economic Cooperation and Development. ⁷ As of January 1, 1973, United Kingdom, Denmark, and Ireland became members of EEC. For consistency, data for all years are shown on same basis. ⁸ Includes Special Category exports, if any. ⁹ Prior to 1975, security regulations required that information on exports of Special Category commodities be excluded from the totals for certain countries. ¹⁰ Excludes Special Category exports, if any.

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States*; *Highlights of U.S. Export and Import Trade*, FT 990, monthly; and unpublished data.

NO. 1515. PERCENT DISTRIBUTION OF DOMESTIC EXPORTS AND GENERAL IMPORTS, BY BROAD COMMODITY GROUPS: 1960 TO 1980

COMMODITY GROUP	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
Exports:											
Food and live animals.....	13.2	14.7	10.2	17.0	14.4	14.6	13.9	11.9	13.0	12.6	12.8
Beverages and tobacco.....	2.4	1.9	1.6	1.4	1.3	1.2	1.3	1.6	1.6	1.3	1.2
Crude materials, inedible ¹	13.7	10.5	10.8	11.9	11.3	9.2	9.6	11.0	11.0	11.6	11.0
Mineral fuels and related materials.....	4.1	3.5	3.7	2.4	3.5	4.2	3.7	3.5	2.8	3.1	3.7
Chemicals.....	8.7	8.8	9.0	8.2	9.1	8.2	8.8	9.1	8.9	9.7	9.6
Machinery and transport equipment.....	34.3	37.3	42.0	39.7	39.3	43.0	43.7	42.2	42.0	39.5	39.1
Other manufactured goods.....	18.7	18.0	17.9	15.8	17.0	15.6	15.7	16.0	16.1	16.2	17.8
General imports:											
Food and live animals.....	19.9	16.1	13.5	11.5	9.4	8.8	8.5	8.5	7.9	7.4	6.5
Beverages and tobacco.....	2.6	2.6	2.1	1.8	1.3	1.5	1.3	1.1	1.3	1.2	1.2
Crude materials, inedible ¹	18.3	14.5	8.3	7.2	6.0	5.8	5.8	5.7	5.4	5.2	4.4
Mineral fuels and related materials.....	10.5	10.4	7.7	11.8	25.4	27.5	28.2	30.2	24.5	29.1	32.8
Chemicals.....	5.3	3.6	3.6	3.5	4.0	3.8	4.0	3.4	3.7	3.6	3.6
Machinery and transport equipment.....	9.7	13.8	28.0	30.3	24.0	24.4	24.7	24.7	27.7	26.0	25.1
Other manufactured goods.....	30.3	35.1	33.3	30.9	27.1	24.9	25.0	23.8	26.9	24.8	23.2

¹ Excludes fuels.

Source: U.S. Dept. of Commerce, International Trade Administration, *Overseas Business Reports*, U.S. Foreign Trade, annual. Also in U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, Report FT 990, monthly.

NO. 1516. DOMESTIC EXPORTS, BY SELECTED COMMODITY GROUPS: 1965 TO 1980

[In millions of dollars. Totals and subtotals include data for commodities not shown separately. Beginning 1974, exports include nonmonetary gold. Commodity data beginning 1978 are not strictly comparable with previous years due to changes in export classifications; see source for changes. For 1977, adjustments have been made to the subtotals and to certain commodities to provide greater comparability with later years. "N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series U 274-294.]

COMMODITY GROUP	1965	1970	1974	1975	1976	1977	1978	1979	1980
U.S. merchandise	27,178	42,590	97,234	106,561	113,666	119,005	141,126	178,578	216,592
Food and live animals.....	4,002	4,356	13,986	15,484	15,710	14,116	18,311	22,245	27,744
Meat and preparations.....	162	175	371	528	798	797	958	1,127	1,293
Meat, fresh, chilled, or frozen.....	136	147	396	491	759	750	894	1,057	1,217
Dairy products and eggs.....	191	137	67	134	128	189	190	161	255
Grains and preparations.....	2,637	2,596	10,331	11,642	10,911	8,755	11,634	14,450	18,079
Wheat and wheat flour.....	1,184	1,112	4,589	5,293	4,040	2,883	4,532	5,491	6,586
Rice.....	244	314	852	658	629	730	929	650	1,285
Coarse grains.....	1,135	1,072	4,673	5,272	6,023	4,913	5,920	7,804	9,701
Corn.....	833	824	3,772	4,446	5,223	4,139	5,301	7,022	8,570
Grain sorghums.....	209	196	689	699	642	604	591	696	1,080
Fruits and nuts.....	339	406	757	871	976	1,080	1,335	1,525	1,938
Fruit, fresh.....	145	164	326	404	434	458	530	624	716
Vegetables.....	148	178	391	406	559	517	554	605	992
Feed for animals.....	278	497	1,287	987	1,358	1,572	1,921	2,317	2,878
Beverages and tobacco.....	517	702	1,247	1,308	1,524	1,847	2,293	2,337	2,663
Tobacco and manufactures.....	506	679	1,193	1,253	1,457	1,732	2,125	2,148	2,426
Leaf tobacco.....	378	481	832	852	922	1,094	1,358	1,184	1,334
Cigarettes.....	105	159	301	368	510	615	749	909	1,055
Crude materials, inedible, exc. fuels	2,655	4,605	10,934	9,784	10,891	13,086	15,555	20,755	23,791
Hides and skins, except fur skins.....	109	145	339	295	522	578	695	992	694
Soybeans.....	650	1,216	3,537	2,865	3,315	4,393	5,210	5,708	5,883
Synthetic rubber.....	161	176	290	261	329	327	369	578	695
Wood in the rough ¹	124	366	744	751	945	1,178	1,376	1,782	2,002
Wood shaped or simply worked.....	119	193	468	413	563	551	618	1,015	1,060
Lumber, softwood.....	94	162	399	342	471	444	452	778	778
Woodpulp.....	190	464	820	875	844	875	817	1,104	1,652
Textile fibers and wastes.....	617	543	1,782	1,345	1,426	1,899	2,302	3,024	3,929
Raw cotton, excluding linters.....	486	972	1,335	991	1,049	1,530	1,740	2,198	2,864
Ores and metal scrap.....	435	940	1,475	1,355	1,284	1,290	1,839	3,325	4,518
Iron and steel scrap.....	197	447	849	780	634	413	698	1,142	1,226
Ores and scrap, nonferrous base.....	154	397	522	461	499	600	893	1,920	1,223
Mineral fuels and related materials	947	1,595	3,444	4,470	4,226	4,184	3,881	5,616	7,982
Coal.....	477	962	2,437	3,259	2,910	2,655	2,046	3,328	4,621
Petroleum and products.....	418	488	792	908	998	1,280	1,564	1,914	2,833
Lubricating oils.....	185	175	298	275	292	305	467	639	733
Animal and vegetable oils and fats	472	493	1,423	944	976	1,309	1,521	1,845	1,946
Tallow, inedible.....	179	176	483	299	377	504	516	655	677
Soybean oil.....	162	192	519	266	238	440	560	776	689

See footnotes at end of table.

Domestic Exports

851

No. 1516. DOMESTIC EXPORTS, BY SELECTED COMMODITY GROUPS: 1965 TO 1980—Continued

[In millions of dollars. See headnote, p. 850. See also *Historical Statistics, Colonial Times to 1970*, series U 274-294]

COMMODITY GROUP	1965	1970	1974	1975	1976	1977	1978	1979	1980
Chemicals	2,403	3,826	8,819	8,691	9,959	10,812	12,623	17,306	20,740
Chemical elements and compounds.....	970	1,642	3,613	3,623	4,408	4,811	5,297	7,704	2,106
Dyeing, tanning, coloring materials.....	93	137	304	244	310	352	386	450	490
Medicinal, pharmaceutical products.....	256	420	800	866	997	1,081	1,404	1,591	1,932
Fertilizers, manufactured.....	153	178	815	1,083	613	704	1,091	1,404	327
Plastic materials and resins ²	425	653	1,618	1,166	1,672	1,838	2,088	3,241	3,884
Machinery and transport equipment	10,139	17,882	38,189	45,668	49,501	50,248	59,268	70,491	84,628
Machinery ³	6,935	11,895	24,318	29,215	32,113	32,638	38,105	45,914	57,263
Power generating machinery.....	841	1,405	2,882	3,551	3,662	3,619	4,797	6,839	8,428
Agricultural machinery.....	219	182	544	704	707	717	844	1,088	1,295
Tractors and parts.....	646	750	1,484	2,126	2,223	2,064	2,316	2,720	2,150
Electronic computers, parts and accessories.....	256	1,236	2,198	2,228	2,588	3,264	4,359	5,671	7,763
Other office machines ⁴	215	311	501	411	349	621	647	804	946
Metalworking machinery.....	332	396	639	922	953	730	1,188	1,391	1,756
Metalcutting machines.....	159	213	264	344	290	258	338	350	397
Textile, leather machinery.....	207	273	528	486	457	423	485	628	693
Construction, excavating, and maintenance equipment.....	324	434	868	1,277	1,381	1,352	1,318	1,234	2,076
Materials handling equipment.....	397	607	1,230	1,846	1,859	1,664	1,457	1,744	2,243
Air-conditioning and refrigerating equipment.....	210	397	858	928	1,055	1,245	1,562	1,468	1,523
Pumping equipment, incl. parts.....	143	241	433	543	606	630	729	893	1,091
Pipe valves and parts.....	111	196	335	458	518	548	610	657	829
Power machinery, switchgear.....	472	611	1,492	1,709	2,139	2,301	2,680	3,140	3,254
Generators, generating sets.....	149	117	421	548	800	889	569	487	619
Transforming, converting, transmission apparatus.....	120	156	343	417	487	518	609	553	914
Telecommunications apparatus.....	345	660	1,361	1,574	1,997	2,360	2,689	2,957	3,454
Radio, television apparatus.....	304	576	1,157	1,399	1,729	1,827	1,831	2,148	2,238
Domestic electrical equipment.....	116	119	378	359	463	523	610	666	786
Transport equipment ⁵	3,204	6,197	13,871	16,452	17,388	17,819	21,163	24,577	27,366
Railway vehicles.....	138	91	282	462	392	305	305	384	452
Road motor vehicles, parts ⁵	1,744	3,245	7,248	9,290	10,132	10,887	12,150	13,904	13,117
Automobiles, nonmilitary, new.....	393	822	2,303	2,852	3,228	3,568	3,573	4,611	3,919
Trucks and tractor trucks, commercial, new.....	279	452	1,140	1,712	1,508	1,513	1,504	1,583	1,467
Parts, accessories, commercial.....	875	1,603	3,193	3,620	4,213	4,673	5,682	6,147	5,556
Aircraft, parts, and accessories.....	1,130	2,656	5,766	6,136	6,104	5,874	8,204	9,719	12,816
Civilian aircraft.....	478	1,528	3,368	3,169	3,204	2,747	3,616	6,177	8,256
Other manufactured goods	4,890	7,636	16,515	16,592	17,781	19,091	22,644	28,879	38,602
Tires and tubes.....	166	186	544	444	491	338	280	353	511
Paper and manufactures.....	389	622	1,522	1,447	1,624	1,517	1,597	1,967	2,831
Paper and paperboard.....	325	526	1,232	1,131	1,291	1,162	1,187	1,430	2,162
Nonmetallic mineral mfrs., n.e.c.....	302	475	994	984	1,166	1,275	1,597	1,949	2,209
Metals and manufactures.....	1,787	2,978	5,725	5,561	5,180	5,148	6,101	7,928	12,071
Iron and steelmfg. products ⁶	607	1,188	2,500	3,282	1,833	1,608	1,646	2,227	2,998
Plates and sheets.....	184	335	687	327	338	272	402	567	936
Tubes, pipes, and fittings.....	160	226	852	1,412	778	677	798	1,077	1,080
Silver bullion, refined.....	51	31	28	104	33	39	56	238	1,327
Nonferrous base metals.....	539	893	1,301	1,090	1,088	1,058	1,048	1,745	2,964
Copper.....	293	358	415	333	282	196	310	425	434
Aluminum.....	159	358	478	433	469	480	555	893	2,022
Metal manufactures, n.e.c.....	553	744	1,685	1,891	2,089	2,399	3,103	3,431	4,205
Tools for hand or machine.....	141	204	406	480	498	558	603	693	856
Textiles, other than clothing.....	528	603	1,795	1,624	1,971	1,970	2,225	3,189	3,632
Textile yarn and thread.....	131	145	407	298	374	417	370	621	753
Cotton broad-woven fabrics.....	98	103	384	376	499	438	426	626	588
Textile fabrics, woven, exc. cotton.....	135	151	413	386	423	399	472	721	832
Clothing.....	143	198	400	403	510	608	677	931	1,183
Professional, scientific, and controlling instruments ⁷	480	857	1,662	1,792	1,951	3,241	3,904	4,289	5,256
Photographic supplies.....	130	250	548	606	703	813	1,073	1,227	1,507
Printed matter.....	226	327	486	548	607	668	812	956	1,097
Other transactions	954	1,496	2,676	3,621	3,097	4,314	5,030	9,103	8,496
Firearms of war and ammunition.....	644	682	852	1,361	1,261	1,617	1,951	1,854	2,006
Shipments of \$500 or less, estimates ⁸	245	692	1,563	1,572	1,190	1,244	1,487	1,798	2,119

¹ Beginning 1977, includes pulp wood chips, formerly classified in "Other manufactured goods" under "Wood and manufactures."² Beginning 1977, includes rubber materials, formerly classified in "Other manufactured goods" under "Rubber manufactures."³ Includes parts for tractors. ⁴ Beginning 1978, includes photocopy apparatus, formerly classified in "Other manufactured goods" under "Photographic and motion picture equipment."⁵ Excludes parts for tractors. ⁶ Excludes pig iron.⁷ Beginning 1977, electric measuring and controlling instruments are included in "Other manufactured goods" under "Professional, scientific, and controlling instruments"; formerly classified under "Machinery."⁸ For 1965, data are estimates for shipments of \$100 or less.Source: U.S. Dept. of Commerce, International Trade Administration, *Overseas Business Reports*, U.S. Foreign Trade, annual. Also in U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, Report FT 990, monthly.

Foreign Commerce and Aid

NO. 1517. GENERAL IMPORTS, BY SELECTED COMMODITY GROUPS (F.A.S. TRANSACTION VALUE BASIS): 1965 TO 1980

[In millions of dollars. Prior to 1974, imports are on the customs value basis. Totals and subtotals include commodities not shown separately. "F.a.s." means free alongside ship. "N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series U 295-316.]

COMMODITY	1965	1970	1974	1975	1976	1977	1978	1979	1980
General Imports	21,427	39,952	100,468	96,573	121,009	147,685	171,978	208,326	240,834
Cif values ¹	(NA)	42,428	107,996	103,389	129,565	157,560	183,093	218,927	252,804
Food and live animals	3,460	5,375	9,386	8,503	10,267	12,558	13,522	15,171	15,763
Cattle, except for breeding	98	111	108	77	159	186	250	249	228
Meat and preparations	426	1,014	1,353	1,141	1,447	1,276	1,856	2,539	2,346
Meat, fresh or frozen	231	647	808	640	840	743	1,242	1,896	1,756
Ham, shoulders, and bacon ²	132	241	350	397	434	386	445	395	336
Fish	469	794	1,500	1,356	1,855	2,056	2,212	2,639	2,612
Fruits and nuts	339	447	627	638	760	957	1,126	1,324	1,245
Bananas	162	188	197	220	277	305	350	383	430
Vegetables	139	289	388	355	426	593	711	737	802
Sugar	443	725	2,247	1,865	1,154	1,076	723	974	1,988
Coffee, green	1,058	1,160	1,505	1,561	2,632	3,910	3,728	3,820	3,872
Cocoa or cacao beans	120	201	317	321	358	482	667	555	395
Tea	67	53	80	88	96	176	115	126	131
Beverages and tobacco	553	855	1,322	1,419	1,624	1,669	2,221	2,666	2,771
Alcoholic beverages	426	725	1,029	1,033	1,174	1,287	1,744	2,013	2,220
Tobacco, unmanufactured	121	111	254	343	392	322	396	436	422
Crude materials, Inedible, except fuels	3,102	3,307	6,066	5,566	7,014	8,486	9,294	10,650	10,496
Hides and skins, except for skins	80	51	78	78	89	97	108	139	88
Fur skins, undressed	113	59	79	79	101	122	142	183	212
Rubber, including latex	182	231	507	353	513	642	840	1,058	980
Lumber, softwood	318	439	1,007	797	1,355	1,972	2,595	2,727	1,984
Lumber, hardwood	67	61	134	69	97	124	141	183	145
Woodpulp	399	480	1,126	1,032	1,237	1,213	1,126	1,506	1,725
Textile fibers and wastes	435	202	255	174	249	222	248	231	242
Wool and other animal hair	282	116	74	73	123	117	147	134	146
Industrial diamonds	56	39	48	42	46	62	69	116	101
Asbestos, unmanufactured	70	75	131	117	149	152	162	144	97
Ores and metal scrap	971	1,149	1,855	1,978	2,251	2,742	2,813	3,247	3,696
Iron ore and concentrates	444	480	700	864	982	951	845	923	773
Silver ore and base bullion	56	49	164	98	75	84	106	166	342
Nonferrous base metals ³	421	522	696	783	895	1,382	1,556	1,672	5,192
Bauxite, crude	143	165	183	267	330	426	415	410	432
Mineral fuels and related materials	2,221	3,075	25,454	26,476	33,996	44,537	42,096	60,061	79,058
Petroleum and products	2,092	2,764	24,293	24,814	31,794	41,756	39,104	56,046	73,771
Petroleum, crude and partly refined	1,215	1,448	18,546	19,293	26,384	33,910	32,134	46,100	62,014
Petroleum products	877	1,316	7,748	5,521	5,411	7,845	6,970	9,946	11,787
Natural gas	105	258	505	1,081	1,619	1,941	2,000	2,765	5,155
Animal and vegetable oils and fats	116	160	544	554	464	531	511	740	533
Chemicals	768	1,450	4,018	3,696	4,772	4,970	6,430	7,485	8,583
Organic chemicals	160	355	1,363	1,027	1,193	1,438	1,735	2,159	2,539
Inorganic chemicals ⁴	158	371	740	835	937	1,171	1,827	2,059	2,312
Medicinal and pharmaceutical products	58	87	211	235	269	313	450	441	508
Fertilizers, manufactured	112	192	631	626	683	829	869	976	1,104
Machinery and transport equipment	2,948	11,172	24,060	23,457	29,824	36,407	47,590	53,678	60,546
Machinery	1,800	5,375	11,809	11,970	15,446	18,837	24,752	28,530	32,286
Engines and parts	195	782	1,501	1,615	1,934	2,137	2,886	3,004	1,866
Agricultural machinery	156	173	394	474	496	499	489	698	686
Tractors and parts	93	175	498	571	554	630	848	1,197	1,049
Office machines	136	505	1,007	1,052	1,341	1,568	2,254	2,500	2,929
Metalworking machinery	63	164	300	361	362	435	947	1,123	1,425
Textile and leather machinery	157	361	606	518	636	639	877	830	889
Power machinery and switchgear	67	247	567	550	758	970	1,291	1,708	2,039
Telecommunications apparatus	314	1,102	2,281	2,077	3,655	4,954	6,136	6,175	6,713
Electron tubes, transistors, semiconductor devices, and parts	63	224	1,033	889	1,223	1,490	1,842	2,719	3,592
Transport equipment	1,148	5,798	12,251	11,487	14,378	17,571	22,538	25,148	28,260
Automobiles and parts	810	5,068	10,264	9,921	13,104	15,844	20,631	22,053	24,015
Automobiles, new	658	3,722	7,298	7,124	8,928	10,633	13,646	14,813	16,776
Motorcycles	134	307	914	707	485	641	892	908	1,149
Aircraft and parts	140	274	508	519	434	603	602	1,078	1,885
Other manufactured goods	7,528	13,285	27,145	23,927	30,179	35,176	46,296	51,071	55,901
Leather manufactures and dressed furs	67	118	188	192	247	236	353	426	393
Rubber tires and tubes	45	205	491	475	738	851	923	1,136	1,143
Wood manufactures (excl. furniture)	270	408	685	573	827	1,032	1,240	1,391	1,133
Paper and manufactures	870	1,067	1,892	1,673	2,103	2,402	2,923	3,256	3,587
Newsprint	780	930	1,503	1,427	1,742	1,879	2,101	2,232	2,685
Construction materials ⁵	71	106	245	186	203	292	472	638	550
Glass, glassware, and pottery	168	338	535	531	653	785	1,047	1,097	1,224
Diamonds, excluding industrial	308	433	775	730	1,018	1,452	1,973	1,862	2,252

See footnotes at end of table.

No. 1517. GENERAL IMPORTS, BY SELECTED COMMODITY GROUPS (F.A.S. TRANSACTION VALUE BASIS): 1965 TO 1980—Continued

[In millions of dollars. See headnote, p. 852]

COMMODITY	1965	1970	1974	1975	1976	1977	1978	1979	1980
Other manufactured goods—Con.									
Metals and manufactures.....	2,874	4,508	11,111	8,944	9,898	12,278	15,714	17,457	18,717
Pig iron and ferroalloys.....	94	78	394	558	538	528	573	702	678
Iron and steelmill products.....	1,140	1,952	4,756	4,037	3,809	5,302	6,681	6,764	6,666
Bars, rods, shapes, and pilings.....	377	486	1,507	930	848	1,126	1,365	1,524	1,417
Plates and sheets.....	475	906	2,059	1,680	1,795	2,708	3,329	3,071	2,502
Steel wire.....	79	119	289	225	211	283	341	320	293
Tubes, pipes, and fittings.....	144	349	736	1,008	792	971	1,376	1,543	2,193
Nonferrous base metals.....	1,198	1,502	3,038	2,063	2,941	3,380	4,367	4,678	5,182
Copper.....	425	532	1,189	419	777	855	1,069	984	1,470
Nickel.....	189	317	483	456	524	532	676	635	885
Aluminum.....	264	238	386	415	554	766	1,115	1,029	974
Lead.....	61	74	60	49	64	185	173	398	326
Tin.....	167	190	295	315	329	458	598	720	776
Silver, refined bullion.....	7	53	431	274	289	313	325	842	1,329
Platinum group metals.....	69	99	453	244	271	252	430	800	1,107
Metal manufactures, n.e.c.....	367	825	2,039	1,769	2,051	2,503	3,333	3,671	3,731
Textiles, other than clothing.....	800	1,135	1,615	1,219	1,635	1,736	2,200	2,216	2,493
Textile yarn and thread.....	66	223	190	128	192	225	246	167	194
Cotton fabrics, woven.....	134	173	356	218	390	345	427	380	433
Textile fabrics, woven, exc. cotton ^a	423	499	628	433	521	569	719	775	408
Twine and cordage.....	48	35	185	123	82	76	78	112	114
Floor coverings.....	45	53	98	88	120	145	200	264	283
Clothing.....	541	1,269	2,331	2,562	3,634	4,100	5,657	5,876	6,427
Footwear.....	160	629	1,134	1,275	1,686	1,806	2,585	2,859	2,908
Professional, scientific, photographic, and controlling instruments ^b	178	356	750	726	969	1,292	981	1,159	2,654
Clocks and watches.....	100	184	388	426	627	722	947	946	1,097
Musical instruments, sound recorders and reproducers, and parts ^c	157	505	943	781	1,216	285	423	469	487
Printed matter.....	77	160	270	284	322	340	479	529	613
Articles of plastic and rubber, n.e.c.....	71	236	425	429	602	606	744	871	916
Toys, games, and sporting goods.....	155	427	724	633	903	1,156	1,374	1,591	1,836
Artworks and antiques.....	141	162	948	677	580	720	1,312	1,487	2,672
Other transactions.....	730	1,274	2,258	2,518	2,538	3,336	4,018	4,905	7,183

NA Not available. ¹ Value on a cost, insurance, and freight basis: cost (to the U.S. importer) of commodities at port of exportation plus insurance and freight to U.S. customs port of entry; 1970 is estimated. ² Canned, cooked, and boned. ³ Prior to 1977, alumina is included under chemicals; thereafter, classified in crude materials. ⁴ Materials of lime, cement, and clay. ⁵ Excludes narrow or special fabrics. ⁶ Beginning 1977, electric measuring and controlling instruments are included in "Other manufactured goods" under "Professional, scientific, photographic, and controlling Instruments"; prior to 1977, classified under "Machinery." ⁷ Beginning 1977, sound recorders included in "Machinery."

Source: U.S. Dept. of Commerce, International Trade Administration, *Overseas Business Reports, U.S. Foreign Trade*, annual. Also in U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, Report FT 990, monthly.

No. 1518. IMPORTS—COFFEE, TEA, AND COCOA AND CHOCOLATE: 1960 TO 1980

[All coffee on green coffee basis; exports and reexports include roasted and soluble coffee. See also *Historical Statistics, Colonial Times to 1970*, series P 227 and U 296-299.]

ITEM	Unit	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
Coffee imports.....	Mil. lb.....	2,943	2,844	2,609	2,891	2,546	2,684	2,617	1,959	2,399	2,566	2,401
Value.....	Mil. dol.....	1,003	1,058	1,160	1,570	1,504	1,562	2,633	3,861	3,728	3,819	3,872
Net per capita ¹	Lb.....	15.9	15.0	13.7	13.7	12.8	12.4	12.3	9.5	11.0	11.6	10.5
Average price.....	Cents per lb.....	34.4	37.6	44.4	54.4	59.1	58.2	100.6	197.1	155.4	148.8	161.3
Tea, net imports.....	Mil. lb.....	114	130	137	175	178	159	181	203	152	175	185
Value.....	Mil. dol.....	55	57	53	70	79	88	95	175	114	125	130
Cocoa and chocolate: ²												
Imports.....	Mil. lb.....	677	934	847	799	728	743	816	678	588	501	379
Value.....	Mil. dol.....	172	146	265	295	446	447	572	941	867	774	525

¹ Source: U.S. Dept. of Commerce, Bureau of Industrial Economics. Based on total population including Armed Forces abroad as estimated by Bureau of the Census. ² Includes prepared, except confectionery.

Source: Except as noted, U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States, Quarterly Summary of Foreign Commerce of the United States; U.S. Imports for Consumption and General Imports*, Report FT 246; and unpublished data.

Foreign Commerce and Aid

NO. 1519. IMPORTS FOR CONSUMPTION—VALUES AND DUTIES: 1950 TO 1980

[Imports are on customs value basis. Beginning 1965, includes uranium, thorium, and related products; beginning 1970, includes silver ores and bullion. For basis of dollar values and for area coverage, see text, p. 829. See also *Historical Statistics, Colonial Times to 1970*, series U 207-212.]

YEAR	VALUES				Duties calculated ¹ (mil. dol.)	RATIO OF DUTIES TO VALUES		Duties per capita ² (dollar)
	Total (mil. dol.)	Free (mil. dol.)	Dutiable (mil. dol.)	Percent free		Total imports (percent)	Dutiable imports (percent)	
1950.....	8,743	4,767	3,976	55	522	6	13	3.38
1955.....	11,937	6,037	5,300	53	633	6	12	3.76
1960.....	14,650	5,780	8,870	39	1,084	7	12	5.92
1965.....	21,283	7,434	13,849	35	1,643	8	12	8.35
1970.....	39,756	13,870	25,886	35	2,584	6	10	12.48
1971.....	45,516	15,286	30,230	34	2,767	6	9	13.36
1972.....	55,290	18,915	36,375	34	3,124	6	9	14.96
1973.....	69,024	28,258	40,766	41	3,620	5	8	17.20
1974.....	100,140	52,052	48,088	52	3,771	4	8	17.80
1975.....	96,516	31,030	65,486	32	3,780	4	6	17.70
1976.....	121,121	37,190	83,931	31	4,675	4	6	21.73
1977.....	147,075	43,633	103,442	30	5,485	4	5	26.30
1978.....	172,912	51,827	121,125	30	7,162	4	6	32.78
1979.....	205,850	103,278	102,645	50	7,202	3	7	32.65
1980.....	239,944	106,992	132,951	45	7,595	3	6	33.27

¹ 1950-1959 data from U.S. Bureau of Customs. Customs duties (including import excise taxes) calculated on the basis of reports of quantity and value of imports of merchandise entered directly for consumption or withdrawn from bonded customs warehouses. ² Based on estimated population including Armed Forces abroad as of July 1, except 1970 and 1980 as of April 1.

³ Total incorporates revised figures not carried to free and dutiable values for 1978 and 1979.

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States, Quarterly Summary of Foreign Commerce of the United States; Highlights of U.S. Export and Import Trade*, FT 990, monthly; and unpublished data.

NO. 1520. DUTIABLE IMPORTS FOR CONSUMPTION, AND PERCENT FREE OF TOTAL IMPORTS, FROM SELECTED AREAS AND COUNTRIES—VALUE: 1979 AND 1980

[Includes imports of silver ore and bullion. For total value of general imports, see table 1514. N.e.c. = Not elsewhere classified]

AREA AND COUNTRY OF ORIGIN	VALUE OF DUTIABLE IMPORTS (mil. dol.)		PERCENT OF TOTAL IMPORTS FREE FROM DUTY		AREA AND COUNTRY OF ORIGIN	VALUE OF DUTIABLE IMPORTS (mil. dol.)		PERCENT OF TOTAL IMPORTS FREE FROM DUTY	
	1979	1980	1979	1980		1979	1980	1979	1980
Total Imports¹	102,645	132,951	50	45	Other OECD countries ³	5,947	6,603	26	34
Developed countries ²	69,805	76,101	37	39	Austria.....	362	365	5	6
Developing countries ⁴	31,619	55,216	66	51	Spain.....	1,171	1,035	11	14
Communist areas.....	1,214	1,631	50	33	Sweden.....	1,514	1,428	9	12
W. Hemisphere ³	18,537	25,522	73	67	Switzerland.....	1,552	1,767	25	35
Canada.....	8,952	9,791	76	76	Other Western Europe.....	196	194	52	58
20 Latin Amer. Republics ³	8,526	12,852	65	57	Yugoslavia.....	187	186	52	59
Cen. Amer. Common Mkt. ³	630	510	67	72	Communist areas in Europe ⁷	831	811	55	42
Latin American Free Trade Assn. ³	7,419	11,743	66	58	Asia.....	43,850	57,251	34	27
Argentina.....	341	315	41	57	Japan.....	25,324	29,486	4	4
Brazil.....	1,183	1,384	62	63	Near East Asia ³	3,178	7,857	79	54
Chile.....	180	262	53	51	Iran.....	312	38	09	89
Colombia.....	168	179	86	86	Israel.....	369	498	51	47
Mexico.....	4,058	6,524	54	48	Saudi Arabia.....	1,792	6,034	78	52
Peru.....	229	369	80	73	South Asia ³	687	736	50	49
Venezuela.....	1,070	2,518	79	52	India.....	535	570	49	48
Dominican Republic.....	289	399	56	49	Pakistan.....	92	90	22	29
Jamaica.....	30	35	92	91	Asia, n.e.c. ⁵	14,278	18,343	39	35
Trinidad and Tobago.....	297	1,100	81	54	China: Taiwan.....	4,007	4,919	31	28
Netherlands Antilles	392	1,139	78	55	Indonesia.....	619	2,015	83	61
Europe.....	33,984	35,365	23	27	Malaysia.....	869	1,330	58	48
Western Europe.....	33,153	34,360	21	26	Philippines.....	1,192	1,299	18	25
OECD countries ⁵	32,957	34,186	21	26	Thailand.....	233	333	61	59
Euro. Economic Comm. ⁶	27,010	27,563	20	24	Communist areas in Asia ⁸	383	820	31	21
Belgium and Luxem.....	1,423	1,489	18	22	Oceania ³	1,869	1,876	38	45
Denmark ⁶	598	605	16	17	Australia.....	1,322	1,362	38	45
France.....	4,019	3,773	16	28	New Zealand and W. Samoa.....	520	489	27	30
Ireland ⁶	272	314	17	21	Africa ³	4,397	13,128	82	59
Italy.....	4,376	3,815	13	12	Congo.....	24	16	68	81
Netherlands.....	1,168	1,106	37	42	Ghana.....	141	127	38	38
Germany, Fed. Rep. of.....	10,159	10,772	9	9	Nigeria.....	1,500	4,990	80	54
United Kingdom ⁶	4,994	5,690	38	42	South Africa, Republic of.....	535	613	80	81
					Egypt.....	71	126	81	72

¹ Includes unidentified countries. ² See footnote 5, table 1514. ³ Includes countries not shown separately. ⁴ Guatemala, El Salvador, Honduras, Nicaragua, and Costa Rica. ⁵ Organization for Economic Cooperation and Development. ⁶ As of Jan. 1, 1973, United Kingdom, Denmark and Ireland became members of EEC. For consistency, data for all years are shown on same basis. ⁷ German Dem. Rep., Czechoslovakia, Hungary, Poland, Soviet Union, Albania, Romania, and Bulgaria. ⁸ Vietnam, China (Mainland), Outer Mongolia, and Dem. People's Rep. of Korea.



Section 32

Outlying Areas Under Jurisdiction of the United States

This section presents summary economic and social statistics for the Commonwealth of Puerto Rico, the principal possessions of the United States (Virgin Islands, Guam, and American Samoa) and, wherever possible, the Trust Territory of the Pacific Islands.

Primary sources are the decennial censuses of population and housing, and the censuses of agriculture, business, and manufactures (taken every five years) conducted by the Bureau of the Census; the annual *Vital Statistics of the United States*, issued by the National Center for Health Statistics; and the annual *Ingreso y Producto* of the Puerto Rico Planning Board, San Juan.

Jurisdiction.—The United States gained jurisdiction over these areas as follows:

The islands of *Puerto Rico* and *Guam*, surrendered by Spain to the United States in October 1898, were ceded to the United States by the Treaty of Paris, ratified in 1899. Puerto Rico became a commonwealth on July 25, 1952, thereby achieving a high degree of local autonomy under its own constitution. The *Virgin Islands*, comprising 50 islands and cays, were purchased by the United States from Denmark in 1917. *American Samoa*, a group of 7 islands, was acquired by the United States in accordance with a convention among the United States, Great Britain, and Germany, ratified in February 1900.

The *Trust Territory of the Pacific Islands* comprises 2,141 atolls and islands, about 96 of which are inhabited. By an agreement approved by the Security Council and the United States in 1947, this territory, formerly under Japanese mandate, has been administered by the United States since July 1947 under the United Nations trusteeship system.

For a brief summary of U.S. territorial development, see tables 6 and 343.

Censuses.—Because characteristics of the outlying areas differ, the presentation of census data for them is not uniform. The 1960 Census of Population covered all of the places listed above except the Trust Territory of the Pacific Islands (the census of which was conducted in April 1958 by the Office of the High Commissioner), whereas the 1960 Census of Housing also excluded American Samoa. The 1970 Census of Population and Housing covered all five areas. The 1959 and 1969 censuses of agriculture covered Puerto Rico, American Samoa, Guam, and the Virgin Islands; the 1964 and 1974 censuses covered the same areas except American Samoa; and the 1978 census covered the same areas including American Samoa and the Northern Mariana Islands. Beginning in 1967, Congress authorized the economic censuses, covering business, manufactures, and, for Guam and the Virgin Islands, mineral industries, to be taken at 5-year intervals, for years ending in 2 and 7. Prior economic censuses were conducted in Puerto Rico for 1954, 1958, and 1963, and in Guam and the Virgin Islands for 1958 and 1963. In 1972, the census of construction industries was added for the first time for these three areas.

Information in other sections.—In addition to the statistics presented in this section, other data are included as integral parts of many tables showing distribution by States in various sections of the *Abstract*. See "Outlying areas of United States" in the index. For definition and explanation of terms used, see section 1, Population; section 5, Education; section 24, Agriculture; section 28, Construction and Housing; section 29, Manufactures; and section 30, Domestic Trade and Services.

Outlying Areas

NO. 1521. ESTIMATED RESIDENT POPULATION, BY AREA: 1950 TO 1980
 [In thousands. As of July 1, except 1980 as of April. Includes estimates of Armed Forces stationed in area]

AREA	1950	1955	1960	1965	1970	1980	AREA	1950	1955	1960	1965	1970	1980
Puerto Rico	2,218	2,250	2,362	2,594	2,718	3,197	Trust Territory of the Pacific Islands ²						
American Samoa	19	20	20	25	27	132	No. Mariana Islands ²	57	66	77	86	101	117
Guam	60	69	66	74	87	105	(NA)	(NA)	(NA)	(NA)	12	17	
Virgin Islands	27	28	32	43	64	96							

NA. Not available. ¹ Preliminary. ² Data consistent with apportionment census of September 1973 which showed a total population of 14,333 for the Marianas and 114,892 for the Trust Territory. (Excludes 4,462 for Kwajalein Missile Range Facility and 269 with residence not specified.) ³ Excludes Northern Mariana Islands.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 80, 336, and 872, and unpublished data.

NO. 1522. ESTIMATES OF COMPONENTS OF POPULATION CHANGE, BY AREA: 1960 TO 1970 AND 1970 TO 1980

[In thousands, except percent. Resident population, including Armed Forces stationed in area. See table 6 for population totals. Minus sign (–) denotes decrease. For explanation of methodology, see source.]

AREA	APRIL 1, 1960 TO APRIL 1, 1970					APRIL 1, 1970 TO APRIL 1, 1980				
	Net increase		Births	Deaths	Net migration	Net change		Births	Deaths	Net migration
	Number	Percent				Number	Percent			
Puerto Rico	362.0	15.4	734.0	172.0	-200.0	484.5	17.9	744.0	193.7	-65.9
American Samoa	7.1	35.4	10.1	1.3	-1.7	5.2	19.3	10.6	1.4	-4.0
Guam	18.0	26.8	25.6	3.4	-4.2	20.8	24.5	30.7	4.1	-5.8
Virgin Islands	30.4	94.6	18.6	3.9	15.7	33.1	53.0	26.6	5.0	11.5
Trust Territory of the Pacific Islands ²	³ 20.3	28.6	30.9	4.8	-5.7	16.3	16.2	33.4	4.9	-12.2
No. Mariana Islands ²	(NA)	(NA)	(NA)	(NA)	(NA)	4.7	38.2	5.3	.1	.3

NA. Not available. ¹ Includes error of closure (the amount necessary to make the components of change add to the net change between censuses). ² See footnote 2, table 1521. ³ Census taken in 1950, not 1960.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 80 and 336, and unpublished data.

NO. 1523. POPULATION, BY AGE AND AREAS, 1960 AND 1970, AND BY SEX, 1970

[In thousands, except median age. As of April 1. For population totals, see table 6. For definition of median, see Guide to Tabular Presentation]

AREA, YEAR, AND SEX	Under 5 yr.	5-13 yr.	14-17 yr.	18-20 yr.	21-24 yr.	25-34 yr.	35-44 yr.	45-54 yr.	55-64 yr.	65 yr. and over	18 yr. and over	Median age (years)
Puerto Rico: 1960	354.4	588.7	220.8	123.6	134.1	262.9	238.0	180.8	123.8	122.2	1,185.6	18.5
1970, total	318.1	605.5	251.0	158.7	182.8	339.3	274.0	227.5	178.0	177.1	1,537.4	21.6
Male	161.3	307.0	126.0	75.1	84.6	158.2	129.7	112.5	89.8	85.7	735.7	20.9
Female	156.8	298.5	125.0	83.6	98.2	181.1	144.3	115.0	88.2	91.4	801.7	22.2
American Samoa:												
1960	3.7	5.7	2.1	1.0	1.1	2.3	1.8	1.2	.7	.5	6.6	15.2
1970, total	4.7	7.5	2.6	1.6	1.6	3.2	2.4	1.8	1.0	.7	12.3	16.1
Male	2.4	3.8	1.4	.8	.8	1.6	1.2	.9	.5	.3	6.2	16.1
Female	2.3	3.7	1.3	.8	.9	1.6	1.2	.9	.5	.4	6.1	16.1
Guam: 1960	10.8	15.2	3.6	4.3	5.0	12.2	8.6	4.4	1.9	1.1	37.4	20.8
1970, total	11.6	20.1	6.8	5.4	8.0	12.6	10.3	5.8	2.8	1.5	46.4	20.4
Male	6.0	10.4	3.4	3.2	5.1	7.1	6.3	3.5	1.6	.7	27.5	21.6
Female	5.7	9.7	3.4	2.2	2.9	5.5	4.0	2.3	1.2	.8	18.9	19.2
Virgin Islands: 1960	4.9	7.1	2.7	1.4	1.7	3.9	3.5	2.8	1.9	2.2	17.3	20.7
1970, total	8.3	12.8	4.4	3.2	4.9	11.4	7.1	5.0	3.0	2.4	37.0	23.0
Male	4.2	6.4	2.2	1.6	2.4	5.8	3.6	2.6	1.5	1.0	18.4	23.1
Female	4.1	6.4	2.3	1.6	2.5	5.6	3.5	2.4	1.5	1.4	18.5	23.0
Trust Territory of the Pacific Islands:												
1970, total	15.6	23.6	9.0	5.3	5.3	9.3	8.4	6.8	4.3	3.3	42.7	16.9
Male	7.8	12.0	4.5	2.7	2.7	4.8	4.4	3.6	2.4	1.7	22.2	17.2
Female	7.8	11.6	4.5	2.6	2.5	4.5	4.0	3.3	2.0	1.6	20.6	16.6

Source: U.S. Bureau of the Census, *Census of Population: 1960*, vol. I; and *1970*, vol. I, *Characteristics of the Population*, parts 53-58.

NO. 1524. LAND AREA AND POPULATION CHARACTERISTICS, BY AREA: 1970

[As of April 1. See also table 343 for gross area (land and water). For definition of median, see Guide to Tabular Presentation]

ITEM	Puerto Rico	American Samoa	Guam	Virgin Islands	Trust Territory of the Pacific Islands
Land area (sq. miles).....	3,421	76	209	132	717
Total resident population.....	2,712,033	27,159	84,996	62,468	90,940
Per square mile.....	793	357	407	473	127
Percent increase, 1960-1970.....	15.4	35.4	26.8	94.6	28.6
Urban.....	1,575,491	(X)	21,671	15,240	(X)
Rural.....	1,136,542	(X)	63,325	47,228	(X)
Male.....	1,329,958	13,682	47,362	31,157	46,482
Female.....	1,382,075	13,477	37,634	31,811	44,458
Males per 100 females.....	96.2	101.5	125.8	99.5	104.6
Median age (years).....	21.6	16.1	20.4	23.0	16.9
Male (years).....	20.9	16.1	21.6	23.1	17.2
Female (years).....	22.2	18.1	18.2	23.0	16.6
School years completed, persons 25 years old and over.....	1,196,692	9,022	32,976	28,896	32,155
No school years completed.....	172,653	631	1,006	456	10,989
Elementary, 1-8 years.....	569,597	4,387	10,288	13,382	14,788
High school:					
1-3 years.....	130,900	2,233	5,364	3,788	2,183
4 years or more.....	323,542	1,771	16,318	11,270	4,207
Median school years completed.....	6.9	8.4	11.9	9.5	4.1
Marital status, persons 14 years old and over.....	1,788,392	14,925	53,219	41,372	51,688
Single.....	591,765	5,855	17,152	14,752	17,705
Married ¹	1,037,901	8,216	33,611	23,780	30,077
Widowed or divorced.....	158,726	854	2,456	2,840	3,906
Households and families:					
Population in households.....	2,676,270	26,796	75,233	60,749	87,148
Number of households.....	632,348	3,958	15,569	17,761	15,214
Population per household.....	4.23	6.95	4.83	3.42	5.73
Families.....	563,448	3,666	14,315	13,195	12,980
Husband-wife families.....	443,907	2,870	12,012	9,750	10,167
Married couples ¹	(NA)	8,321	12,798	9,984	11,705

NA Not available. X Not applicable. ¹ Includes consensually married couples and separated couples.Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. I, *Characteristics of the Population*, parts 53-58.

NO. 1525. POPULATION, BY PLACE OF BIRTH, PERIOD OF IMMIGRATION OF FOREIGN-BORN, AND CITIZENSHIP STATUS—BY AREA: 1970

[As of April 1]

ITEM	American Samoa	Guam	Virgin Islands	Trust Territory of the Pacific Islands
Total resident population.....	27,159	84,996	62,468	90,940
Native-born, total.....	21,286	71,512	41,140	89,891
Percent of total.....	78.4	84.1	65.9	98.8
Born in U.S.....	1,211	23,934	8,068	3,504
Born in a U.S. territory.....	20,087	47,472	29,068	86,385
Born in Puerto Rico.....	8	106	4,014	2
Foreign-born, total ¹	5,873	13,484	21,328	1,049
Percent of total.....	21.6	15.9	34.1	1.2
Europe.....	43	821	847	88
Asia.....	4,593	11,391	225	428
Americas, other than U.S.....	20	228	18,984	37
Other.....	1,021	120	94	79
By period of immigration:				
Before 1950.....	700	879	1,047	72
1950-1959.....	788	1,255	1,564	277
1960-1970.....	4,385	11,350	18,727	700
By citizenship status:				
Naturalized.....	149	3,491	2,165	412
Permanent alien.....	4,331	5,027	7,619	295
Temporary alien.....	1,336	4,045	11,309	243
Born abroad of American parents.....	57	921	235	99

¹ Includes foreign-born persons for whom country was not reported.Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. I, *Characteristics of the Population*, parts 54-58.

Outlying Areas

No. 1526. VITAL STATISTICS—SPECIFIED AREAS: 1950 TO 1978

[Births, deaths, and infant deaths by place of residence; marriages and divorces by place of occurrence. Rates for 1950, 1960, and 1970 based on population enumerated as of April 1; for all other years, on population estimated as of July 1]

AREA AND YEAR	BIRTHS		DEATHS		INFANT DEATHS		MARRIAGES		DIVORCES ³	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ²	Number	Rate ¹	Number	Rate ¹
Puerto Rico:										
1950.....	86,038	38.9	21,895	9.9	5,807	67.5	20,532	9.3	3,591	1.6
1955.....	77,830	34.6	16,221	7.2	4,343	55.8	18,912	8.4	4,622	2.1
1960.....	76,914	32.5	15,791	6.7	3,307	49.3	20,212	8.6	5,218	2.2
1965.....	79,608	30.2	17,686	6.7	3,406	42.8	25,184	9.6	10,519	4.0
1970.....	67,628	24.8	18,080	6.7	1,930	28.6	29,905	11.0	9,688	3.6
1974.....	69,886	23.1	18,948	6.3	1,511	21.6	33,410	11.1	11,688	3.9
1975.....	69,702	22.5	17,805	5.8	1,335	19.2	32,731	10.6	12,985	4.2
1976.....	71,888	22.4	19,289	6.0	1,437	20.0	33,741	10.5	12,357	3.8
1977.....	75,191	22.6	19,778	6.0	1,514	20.1	34,541	10.4	12,085	3.6
1978.....	75,117	22.4	19,812	5.9	1,391	18.5	34,048	10.1	12,392	3.7
Guam:										
1965.....	2,523	32.8	336	4.4	82	32.5	471	6.2	53	.7
1970.....	2,842	28.8	355	5.8	62	21.6	874	9.9	84	1.0
1974.....	3,164	33.0	423	4.4	74	23.4	2,523	26.8	207	2.2
1975.....	3,156	32.0	427	4.3	65	20.6	1,861	19.8	198	2.1
1976.....	3,038	32.5	446	4.8	55	18.1	1,538	16.5	275	3.0
1977.....	2,989	27.0	361	3.3	45	15.1	(NA)	(NA)	(NA)	(NA)
1978.....	2,888	25.4	398	3.5	45	15.6	1,769	15.2	361	3.1
Virgin Islands:										
1950.....	894	33.5	374	14.0	51	57.0	138	5.2	271	10.2
1955.....	913	33.1	311	11.3	41	44.9	221	8.0	103	3.7
1960.....	1,180	36.8	332	10.3	42	35.6	359	11.1	135	4.2
1965.....	1,998	46.2	416	9.6	80	30.0	595	13.7	249	5.7
1970.....	2,898	46.8	469	7.9	72	24.6	1,149	18.4	270	4.3
1974.....	2,449	27.7	462	5.2	61	24.9	1,254	14.2	480	5.2
1975.....	2,372	24.9	477	5.0	62	26.1	1,064	11.2	353	3.7
1976.....	2,343	24.8	447	4.7	68	29.0	933	9.9	399	4.2
1977.....	2,373	25.5	380	4.1	55	23.2	919	9.9	442	4.7
1978.....	2,524	26.3	461	4.8	54	21.4	1,131	11.8	484	5.0

NA Not available. ¹ Per 1,000 population. ² Per 1,000 live births. ³ Includes reported annulments.

⁴ Data are incomplete.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; Statistical Office of the United Nations, New York, N.Y., *Demographic Yearbook* 1969, 1974, and 1977 (copyright); and Department of Public Health and Social Services, Government of Guam, *Statistical Report—1978*.

No. 1527. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS, BY AREAS

ITEM	Puerto Rico	American Samoa	Guam	Virgin Islands	Commonwealth of the Northern Marianas
Enrollment, Fall 1979.....	721,419	9,291	27,582	25,553	4,407
Elementary (kindergarten-grade 8).....	534,421	7,022	20,193	19,330	3,267
Secondary (grades 9-12 and post graduates).....	186,998	2,269	7,389	6,223	1,140
High-school graduates, 1977-78.....	25,788	411	1,206	298	83
Average daily attendance, 1980.....	646,150	8,287	25,814	23,304	4,240
Percent of enrollment.....	93.8	89.2	93.6	91.2	96.2
Minimum days in session, 1978.....	188	(NA)	1,180	1,180	180
Average number of days attended per enrollee, 1974.....	(NA)	(NA)	148.5	168.2	(NA)
Professional staff, Fall 1978.....	31,455	608	1,469	1,869	305
Official/administrative.....	1,284	9	14	101	18
Professional/educational.....	30,161	526	1,335	1,636	273
Teachers.....	29,278	486	1,294	1,470	241
Professional/other.....	(⁵)	73	120	132	14
Average salary for classroom teachers, 1979 (dol.).....	8,100	5,100	12,684	12,931	5,403
Avg. salary for other professional educ. staff, 1979 (dol.).....	7,300	(NA)	12,995	15,586	7,518
Total estimated expenditures, 1979 (\$1,000).....	474,026	7,908	41,294	48,317	9,324
Current expenditures ⁶ (\$1,000).....	462,482	7,908	31,327	43,757	5,987
Per pupil ⁷ (dollars).....	1,694	1,954	1,214	1,878	1,414
Other current expenditures ⁶ (\$1,000).....	1,5823	—	—	2,535	403
Capital outlay (\$1,000).....	1,5,721	—	9,967	2,025	2,924
Per pupil ⁷ (dollars).....	(NA)	—	386	87	690

⁵ Represents zero. NA Not available. ⁶ 1978 data. ⁷ 1975-76 data. ⁸ 1977 data. ⁹ Average length of term in days. 1974 data. ¹⁰ Professional/other included in Professional/educational. ¹¹ Public elementary and secondary day schools. ¹² Annual expenditures per pupil in average daily attendance. ¹³ Community services, summer schools, adult education, and community colleges.

Source: U.S. National Center for Education Statistics, *Statistics of Public Elementary and Secondary Day Schools, Fall 1978*, and unpublished data.

School Enrollment and Employment

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NO. 1528. SCHOOL ENROLLMENT AND EMPLOYMENT STATUS, 1970, AND PERCENT DISTRIBUTION BY FAMILY INCOME CLASS, 1969, BY AREA

ITEM	Puerto Rico	American Samoa	Guam	Virgin Islands	Trust Territory of the Pacific Islands
SCHOOL ENROLLMENT, 1970					
Total enrolled, 3-34 years old.....	821,046	10,246	27,065	17,638	29,425
Elementary (grades 1-8), total ¹	589,670	8,079	19,886	13,799	24,713
Public.....	541,106	7,181	16,323	10,514	22,164
Private, total.....	48,564	898	3,563	3,285	2,549
Parochial.....	20,799	401	2,553	1,735	1,562
High school (4 years), total.....	168,047	2,089	5,741	3,258	4,276
Public.....	154,264	1,912	5,025	2,519	3,279
Private, total.....	13,783	177	716	739	997
Parochial.....	5,086	81	507	412	508
College, total.....	63,329	78	1,438	581	436
Public.....	44,500	72	1,346	360	390
EMPLOYMENT STATUS, 1970					
Total persons, 16 years old and over.....	1,654,712	13,597	49,548	39,034	46,970
In labor force.....	679,745	5,395	32,493	25,724	14,263
Percent of total.....	41.1	39.7	65.6	65.9	30.4
Armed Forces.....	7,930	10	9,997	32	128
Civilian labor force.....	672,415	5,385	22,496	25,692	14,135
Employed.....	634,961	5,094	22,112	24,501	13,377
Unemployed.....	37,454	291	384	1,191	758
Percent of civilian labor force.....	5.6	5.4	1.7	4.6	5.4
Not in labor force.....	974,967	8,192	17,055	13,310	32,707
FAMILY INCOME, 1969					
Families, 1970.....	564,751	3,666	14,315	13,135	12,980
Percent distribution, by income class.....	100.0	100.0	100.0	100.0	100.0
Less than \$1,000.....	21.4	23.7	4.5	6.4	53.5
\$1,000-\$1,999.....	13.8	13.0	2.2	4.6	16.9
\$2,000-\$3,999.....	25.5	27.3	8.5	16.9	14.9
\$4,000-\$5,999.....	14.5	15.3	17.8	17.9	6.4
\$6,000-\$7,999.....	9.1	7.2	18.2	13.8	2.8
\$8,000-\$9,999.....	5.4	4.1	13.7	9.3	1.6
\$10,000-\$14,999.....	6.3	5.8	20.5	14.9	2.4
\$15,000-\$24,999.....	3.1	3.0	12.2	11.3	1.2
\$25,000 or more.....	.9	.7	2.6	4.9	.4
Median Income ²	\$3,063	\$2,840	\$7,886	\$6,612	\$773

¹ Includes nursery and kindergarten.

² For definition of median, see Guide to Tabular Presentation.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. I, *Characteristics of the Population*, parts 53-58.

NO. 1529. PUERTO RICO—EMPLOYMENT STATUS, 1960 TO 1980 AND BY SEX, 1979 AND 1980

[In thousands of persons 14 years old and over except, beginning 1977, 16 years old and over. Annual averages for calendar years of the civilian noninstitutional population]

EMPLOYMENT STATUS	1960	1965	1970	1975	1976	1977	1978	1979		1980			
								Total	Male	Female	Total		
Total	1,368	1,555	1,743	2,099	2,173	2,093	2,198	2,272	1,072	1,200	2,322	1,095	1,227
In the labor force.....	635	698	778	875	912	937	971	987	660	327	1,006	664	341
Employed.....	558	617	694	715	734	750	796	819	531	288	834	534	299
Working.....	525	585	658	687	678	693	748	769	503	266	782	506	275
35 hours or more ¹	406	470	570	487	446	521	581	591	395	196	587	394	193
Less than 35 hours ²	119	115	88	181	232	172	167	178	108	70	195	112	82
Not working.....	33	31	35	48	56	56	48	50	28	22	52	28	24
Unemployed.....	77	81	84	159	179	187	175	168	129	39	172	130	42
Percent.....	12.1	11.6	10.7	18.2	19.6	20.0	18.1	17.0	19.5	11.9	17.1	19.6	12.3
Not in labor force	734	856	965	1,224	1,261	1,156	1,227	1,285	412	873	1,316	431	886

¹ Prior to 1976, 30 hours or more.

² Prior to 1976, less than 30 hours.

Source: Puerto Rico Dept. of Labor, Bureau of Labor Statistics, San Juan, P.R., unpublished data.

NO. 1530. PUERTO RICO—GROSS PRODUCT AND IMPORTS: 1960 TO 1980

[In millions of dollars. For years ending June 30]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980, prel.
Gross Commonwealth product	1,676	2,764	4,688	6,798	7,129	7,527	8,116	8,832	10,005	11,105
Average annual percent change ²	8.0	10.5	11.1	9.7	4.9	5.6	7.8	10.1	12.0	11.0
Sales of domestic production and imports	2,897	4,872	8,440	13,268	14,545	15,913	17,591	19,306	21,806	24,809
Goods and services to P.R. users	2,012	3,479	5,964	8,942	10,112	11,126	11,585	12,830	13,870	15,572
Consumers	1,397	2,251	3,747	5,690	6,390	7,361	8,167	9,043	9,801	11,118
Commonwealth and municipal govts.	218	380	765	1,326	1,612	1,616	1,728	1,877	2,017	2,221
Construction	227	501	989	1,282	1,481	1,295	1,004	1,134	1,200	1,302
Producers durable equipment	128	219	413	396	428	489	532	601	681	728
Changes in inventories	42	128	50	148	203	365	154	175	71	203
Goods and services to rest of world	885	1,393	2,476	4,426	4,433	4,767	6,008	6,478	7,936	9,237
Less: Imports of goods and services.....	1,221	2,108	3,752	6,470	7,549	8,406	9,497	10,373	11,815	13,715

¹ Includes other investments by Puerto Rico Maritime Shipping Authority not included in breakdown. ² Change from previous year shown; for 1960, change from 1955. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: Puerto Rico Planning Board, San Juan, P.R., *Ingreso y Producto*, annual, and unpublished data.

NO. 1531. PUERTO RICO—NET INCOME, BY INDUSTRIAL ORIGIN: 1960 TO 1980

[In millions of dollars. For years ending June 30]

INDUSTRY	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980, prel.
All Industries	1,349	2,230	3,668	5,580	5,920	6,206	6,650	7,402	8,243	9,098
Agriculture	180	190	178	325	310	322	292	359	370	403
Manufacturing	289	553	959	1,869	1,941	2,383	2,813	3,288	3,805	4,286
Food and related products	67	125	161	244	274	303	315	418	413	398
Apparel and related products	51	89	172	216	205	245	266	317	332	350
Metal products and machinery	55	82	192	446	478	598	741	846	1,072	1,141
Other manufacturing	116	257	433	963	983	1,237	1,492	1,687	1,988	2,403
Mining	2	5	7	6	6	6	5	6	5	5
Contract construction	87	175	338	456	409	347	290	307	335	342
Transp. and other public utilities ¹	127	213	342	538	621	648	730	780	899	1,053
Trade	237	402	631	869	945	1,030	1,126	1,232	1,380	1,467
Finance, insurance, and real estate	141	253	504	722	700	727	804	916	1,098	1,239
Services	127	250	448	666	727	791	895	987	1,107	1,228
Commonwealth Government ²	175	307	610	1,091	1,334	1,390	1,450	1,573	1,694	1,886
Rest of the world	-16	-118	-347	-961	-1,072	-1,438	-1,754	-2,026	-2,450	-2,811

¹ Includes radio and television. ² Includes public enterprises, not elsewhere classified.

Source: Puerto Rico Planning Board, San Juan, P.R., *Ingreso y Producto*, annual.

NO. 1532. PUERTO RICO—RECEIPTS AND EXPENDITURES OF THE CENTRAL GOVERNMENT, BY MAJOR ITEM: 1960 TO 1980

[In millions of dollars. For years ending June 30]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980, prel.
Receipts	351	672	1,275	1,949	2,029	2,402	2,929	3,073	3,417	3,712	4,148
Taxes	237	408	735	1,085	1,102	1,294	1,605	1,723	1,809	1,957	2,108
Personal	40	68	188	296	330	397	462	533	486	557	620
Corporate	26	54	92	157	169	167	171	180	237	273	325
Indirect business	172	265	456	632	603	730	972	1,010	1,086	1,126	1,162
Contributions to social insurance	45	81	162	250	270	335	362	372	398	441	477
Profits from govt. business enterprises	6	11	6	-38	-14	-63	-78	-116	-50	-123	-76
Interest and dividends	10	17	49	67	75	73	79	88	106	122	157
Sales of goods and services	9	37	67	93	97	112	138	145	151	164	172
Transfers from Federal Government	44	116	257	492	500	651	823	860	1,003	1,149	1,309
Transfers from private enterprises	-	-	-	-1	(z)	(z)	(z)	(z)	1	1	1
Expenditures	287	548	1,105	1,797	1,957	2,416	2,617	2,778	2,988	3,165	3,550
Purchases of goods and services	227	417	831	1,325	1,422	1,725	1,754	1,873	2,028	2,181	2,393
Compensation of employees	174	307	610	1,029	1,091	1,394	1,390	1,450	1,573	1,694	1,886
Other purchases	103	197	390	561	585	671	675	698	772	813	817
Less: Capital expenditures	50	87	169	265	253	279	312	274	317	326	310
Interest	7	19	38	73	89	116	140	149	170	161	157
Subsidies	9	11	33	72	91	98	99	100	118	122	121
Transfer payments to persons	44	82	173	284	307	405	545	570	580	597	767
Transfer payments to Federal Govt.	(z)	19	30	44	47	71	80	86	91	105	111
Savings ¹	64	124	170	162	72	-13	311	295	432	547	598

¹ Represents zero. ² Less than \$500,000. ³ Includes disbursements for land acquisition, equipment purchases, and other capital investments.

Source: Puerto Rico Planning Board, San Juan, P.R., *Ingreso y Producto*, annual.

No. 1533. PUERTO RICO—BUSINESS SUMMARY: 1972 AND 1977

[Sales and payroll in millions of dollars; for discussion of coverage, see text pp. 809 and 810]

KIND OF BUSINESS (Based on 1972 Standard Industrial Classification System)	1972		1977		Pay- roll, entire year	Employ- ees ¹
	Estab- lish- ments	Sales	Estab- lish- ments	Sales		
Wholesale trade ²						
Motor vehicles, automotive parts and supplies	2,160	2,559	2,208	4,395	260	27,788
Drugs, ³ and chemicals, allied products	141	163	126	164	16	1,662
Apparel, piece goods, and notions	172	222	154	372	35	3,497
Groceries and related products	168	116	159	135	8	946
Electrical goods	500	780	486	1,420	51	6,208
Machinery, equipment, supplies	121	137	124	182	19	1,834
Petroleum and petroleum products	297	259	342	358	50	4,773
Retail trade ²						
Bldg. materials, hardware, garden supplies, mobile home dealers	29,894	2,918	36,276	4,796	423	78,201
Hardware stores	943	216	1,347	346	33	5,309
General merchandise group stores	575	105	816	168	16	2,627
Department stores	1,357	330	1,061	479	62	10,461
Food stores, eating and drinking places	47	217	39	312	40	6,056
Grocery stores, eating and drinking places	18,839	905	22,477	1,593	122	25,622
Automotive dealers, gasoline service stations ²	2,230	716	2,933	1,145	65	10,600
Motor vehicle dealers—new and used cars	308	456	284	607	31	4,028
Gasoline service stations	1,317	172	1,520	336	15	3,710
Apparel, accessory stores ²	2,380	295	2,796	498	60	11,527
Men's, boys' clothing and furnishing stores	529	86	529	117	13	2,255
Women's clothing, specialty stores	887	95	1,002	172	20	4,261
Family clothing stores	312	33	386	61	8	1,635
Furniture, home furnishings and equipment stores	1,420	212	1,522	270	28	4,927
Selected services industries ^{2,4}	14,183	512	19,936	940	273	41,704
Hotels, motels, trailer parks, and camps	283	130	181	(b)	(b)	(b)
Personal services	2,982	51	3,160	72	16	3,574
Auto repairs, services, garages	1,438	63	2,285	(b)	(b)	(b)
Amusement, recreation services, motion pictures	7,822	87	9,753	133	19	3,743

D Withheld to avoid disclosure. ¹ For week including Mar. 12. ² Includes data not shown separately. ³ Includes drug proprietaries and druggists' sundries. ⁴ For 1972, excludes arrangement of passenger transportation; dental laboratories; legal services; engineering, architectural, and surveying services.

Source: U.S. Bureau of the Census, *Census of Outlying Areas, Retail Trade, Wholesale Trade, and Selected Service Industries, 1977, Puerto Rico*, series OAC77-1.

No. 1534. PUERTO RICO—MANUFACTURES, BY INDUSTRY: 1972 AND 1977

INDUSTRY (Based on 1972 Standard Industrial Classification System)	1972			1977				Value of ship- ments ^a (mil. dol.)	Value added by manu- facture ² (mil. dol.)	
	Estab- lish- ments	All employ- ees ¹	Value added by manu- facture ² (mil. dol.)	Estab- lish- ments	All employees		Production workers			
					Num- ber ¹	Pay- roll (mil. dol.)	Num- ber ¹	Wages (mil. dol.)		
All industries.....	2,340	149,748	1,915.4	2,297	146,861	997.0	126,236	738.8	10,137.1	4,097.2
Food and kindred products	321	27,739	343.4	324	21,407	149.0	17,249	103.3	1,456.8	485.6
Tobacco products	28	4,508	46.4	17	3,670	24.5	3,419	21.9	214.1	122.0
Textile mill products	81	7,819	67.1	63	6,001	29.5	5,743	26.5	183.0	108.8
Apparel and other textile products	473	39,624	252.5	386	35,294	151.8	33,086	131.1	593.3	278.9
Lumber and wood products	100	1,194	8.2	83	823	3.9	712	3.1	20.5	9.1
Furniture and fixtures	140	3,213	29.3	124	2,983	12.1	2,115	9.1	48.3	26.1
Paper and allied products	37	1,567	17.9	38	1,459	11.8	1,182	8.3	70.3	21.7
Printing and publishing	129	2,968	41.8	161	4,037	28.8	3,508	23.2	95.4	68.9
Chemicals and allied products	125	8,979	451.2	181	15,732	162.5	10,517	83.0	2,758.1	1,476.5
Petroleum and coal products	16	2,181	91.7	19	2,462	36.0	1,998	27.0	2,147.9	143.4
Rubber and misc. plastic products	56	3,494	27.4	77	5,962	43.4	5,514	35.9	236.8	147.6
Leather and leather products	57	6,611	39.3	47	6,165	29.3	5,805	26.3	125.2	55.7
Stone, clay, and glass products	189	6,250	73.1	175	4,987	39.8	3,857	28.3	229.9	102.7
Primary metal industries	16	956	14.3	35	1,567	12.7	1,194	8.7	91.5	48.5
Fabricated metal products	219	5,247	78.2	199	4,654	39.7	3,868	25.7	212.9	84.2
Machinery, exc. electrical	64	2,229	37.8	57	4,071	32.8	3,112	25.5	301.7	161.2
Electric and electronic equipment	105	14,671	169.6	131	14,785	106.9	13,485	84.7	716.4	403.1
Instruments and related products	25	712	6.8	69	6,789	52.1	6,061	39.1	409.0	257.3
Transportation equipment	44	6,066	84.2	26	1,127	8.2	952	6.7	47.4	28.1
Misc. manufacturing industries	115	3,720	35.3	85	3,487	27.3	2,879	21.6	178.9	67.8

¹ Average for year. ² See footnote 6, table 1405. ^a Represents net selling value, f.o.b. plant. Excludes freight charges and excise taxes. Includes extensive duplication arising from shipments between establishments in the same industry.

Source: U.S. Bureau of the Census, *Censuses of Outlying Areas, Manufactures, 1977, Puerto Rico*, series OAC77-1.

Outlying Areas

NO. 1535. PUERTO RICO—CONSTRUCTION SUMMARY: 1972 AND 1977

[Money figures in millions of dollars]

INDUSTRY (Based on 1972 Standard Industrial Classification System ¹)	1972			1977			
	Establishments	Total receipts	Establishments	Total receipts	Pay-roll, entire year	Employees	Value added
Construction²	1,516	1,129	1,692	931	216	36,154	401
General building contractors and operative builders	684	693	777	555	120	20,281	195
General contractors, residential buildings	441	425	576	(D)	49	9,847	(D)
Single-family houses	384	289	548	162	40	8,256	59
Operative builders	82	157	70	145	17	3,109	46
General contractors, nonresidential buildings	161	111	131	(D)	54	7,325	(D)
Heavy construction, general contractors	150	207	156	151	37	5,164	88
Special trade contractors ³	648	216	705	202	55	9,515	110
Plumbing, heating, air-conditioning	103	47	132	39	9	1,381	19
Painting, paperhanging, decorating	49	(D)	52	(D)	3	585	(D)
Electrical work	125	47	134	51	14	2,163	27
Masonry, plastering, and tile setting	85	13	67	(D)	8	1,607	(D)
Carpentering and flooring	43	41	40	(D)	1	258	(D)
Concrete work	48	(D)	45	19	6	922	11

D Withheld to avoid disclosure. ¹ See text, pp. 809 and 810.² Includes industries not shown separately.³ Masonry⁴ Flooring only.Source: U.S. Bureau of the Census, *Censuses of Outlying Areas, 1972, Construction Industries: Puerto Rico*, series OAC72-3; and *Censuses of Outlying Areas, 1977 Construction Industries, Puerto Rico*, series OAC77-3.

NO. 1536. PUERTO RICO—AGRICULTURE: 1969 AND 1978

[1 cuerdas = .97 acre. Tons specified are short tons]

CROP	LAND HARVESTED (1,000 cuerdas)		PRODUCTION (millions)			Sales, 1978 (mil. dol.)	CROP	LAND HARVESTED (1,000 cuerdas)		PRODUCTION (millions)		
	1969	1978	Unit	1969	1978			1969	1978	Unit	1969	1978
Sugarcane	180.4	105.2	Tons	5.9	2.9	39.5	Plantains	8.3	(NA)	Number	95	76
Coffee	125.5	83.2	Lb	17.5	18.3	26.8	Bananas	14.1	(NA)	Number	332	229
Vegetables ¹	4.6	5.4	(X)	(X)	(X)	2.4	Oranges	16.2	(NA)	Number	134	48.1
Pineapples	3.5	2.6	Tons	.5	(2)	5.6	Taniers	5.2	4.2	Lb	13.8	7.3
Tobacco	3.7	1.5	Lb	4.8	2.3	1.3	Pigeon peas	6.2	8.5	Lb	4.0	9.2

NA Not available. X Not applicable. Z Less than 50 thousand. ¹ For sale.Source: U.S. Bureau of the Census, *Census of Agriculture: 1978*, vol. I.

NO. 1537. PUERTO RICO—MERCHANDISE IMPORTS AND EXPORTS: 1960 TO 1980

[In millions of dollars]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
Imports												
From U. S.	924	1,543	2,681	3,324	3,593	4,961	4,885	5,928	6,200	6,918	7,834	9,018
From other	771	1,275	2,070	2,434	2,623	2,945	3,029	3,677	3,552	4,391	4,788	5,345
Exports	153	263	611	890	970	2,016	1,856	2,251	2,649	2,527	3,046	3,673
To U. S.	604	1,006	1,680	2,241	2,727	3,275	3,000	3,795	4,516	5,123	6,539	6,576
To other	588	969	1,563	2,070	2,479	2,871	2,633	3,298	4,008	4,499	5,720	5,643
	16	37	117	171	248	404	367	437	507	624	819	933

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States*, annual; *U.S. Trade with Puerto Rico and U.S. Possessions*, FT 800; and unpublished data.

NO. 1538. GUAM AND VIRGIN ISLANDS—ECONOMIC SUMMARY: 1977

KIND OF BUSINESS (Based on 1972 Standard Industrial Classification System ¹)	GUAM				VIRGIN ISLANDS			
	Establishments	Sales and receipts (\$1,000)	Payroll (\$1,000)	Paid employees ²	Establishments	Sales or receipts (\$1,000)	Payroll (\$1,000)	Paid employees ²
Total	900	606,202	74,256	10,405	2,211	(D)	119,804	15,069
Construction	74	85,467	19,965	2,533	150	44,321	13,615	1,508
Manufacturing	20	172,617	6,131	686	83	(D)	39,163	2,912
Wholesale trade	51	77,775	5,180	546	104	124,379	8,776	980
Retail trade	531	215,201	25,630	4,070	1,104	277,999	35,909	5,622
Selected services	224	55,142	17,350	2,570	770	75,763	22,342	4,047

D Withheld to avoid disclosing data for individual companies.
12. ³ Value of shipments; figure contains duplication.¹ See text, pp. 809 and 810.² Pay period including Mar.Source: U.S. Bureau of the Census, *Censuses of Outlying Areas, 1977: Virgin Islands and Guam*, series OAC 77-5 and 77-6, respectively.



Section 33

Comparative International Statistics

This section presents statistics for the world as a whole and for many countries on a comparative basis with the United States. Selected data are shown for area and population, births and deaths, social and industrial indicators, finances, agriculture, transportation and communication, and military affairs.

The principal sources for these data are the United Nations *Statistical Yearbook* and the U.S. Bureau of the Census biennial publication *World Population*. Statistics of the individual nations may be found primarily in official national publications, generally in the form of yearbooks, issued by most of the nations at various intervals in their own national languages, expressed in their own or customary units of measure. For handier reference, especially for international comparisons, the Statistical Office of the United Nations compiles data as submitted by member countries and issues a number of international summary publications, generally in English and French. Among these are the *Statistical Yearbook*; the *Demographic Yearbook*; the *Yearbook of International Trade Statistics*; the *Yearbook of National Accounts Statistics*; Vol. II, *International Tables; Population and Vital Statistics Reports* (quarterly); the *Monthly Bulletin of Statistics*; and *Yearbook of World Energy Supplies*. Specialized agencies of the United Nations also issue international summary publications on agricultural, labor, and education statistics. Among these are the *Production Yearbook* issued by the Food and Agriculture Organization, the *Yearbook of Labour Statistics* issued by the International Labour Office, and the *Statistical Yearbook* issued by the Educational, Scientific, and Cultural Organization.

The Bureau of the Census, in *Country Demographic Profiles*, series ISP-30, presents data on individual countries for both a recent census year and the current period; and in the biennial *World Population* series, estimates of basic demographic measures for countries and regions of the world. The *International Population Statistics Reports*, series P-90 and P-91, issued by the Bureau of the Census, also present population figures for many foreign countries.

The U.S. Arms Control and Disarmament Agency and the International Monetary Fund (IMF) also compile data on international statistics. In its *World Military Expenditures and Arms Transfers*, published annually, the Arms Control and Disarmament Agency presents data on various economic indicators, as well as basic military data. Among the topics presented have been military expenditures, GNP, public health and public education expenditures, physicians and teachers, imports and exports, and armed forces, by region and/or country. The IMF publishes a series of reports relating to financial data. These include *International Financial Statistics*, *Direction of Trade*, and *Balance of Payments Yearbook*, published in English, French, and Spanish.

Statistical coverage, country names, and classifications.—Problems of space and availability of data limit the number of countries and the extent of statistical coverage shown. The list of countries included is based almost entirely on a U.S. Department of State list of sovereign nations, dependencies, and areas of special sovereignty published biennially by the U.S. Department of State in *Status of the World's Nations*. Country names are shown here as specified in that publication. In the few cases where a lack of comparability exists between State Department and United Nations' terminology, the State Department's preferences are used.

The countries and regions in tables 1541, 1544, and 1545 are classified as either "more developed" or "less developed," according to a regional classification system used by the Census Bureau in its *World Population: 1979*. The system is based on the assumption that, within regions, levels of such factors as industrial development, literacy rate, gross reproduction rate, per capita income, etc., are somewhat constant. "More developed" countries comprise Japan, Australia, New Zealand, the Soviet Union, and those countries in Northern America and Europe. All others are "less developed".

Economic associations.—The Organisation for European Economic Co-operation (OEEC), a regional grouping of Western European countries established in 1948 for the purpose of harmonizing national economic policies and conditions, was succeeded on September 30, 1961, by the Organisation for Economic Co-operation and Development (OECD). The member nations of the OECD are Australia, Austria, Belgium, Canada, Denmark, Finland, France, Federal Republic of Germany, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom and the United States, plus Yugoslavia in special status category.

Quality and comparability of the data.—The quality and comparability of the data presented here are affected by a number of factors:

(1) The year for which data are presented may not be the same for all subjects for a particular country, or for a given subject for different countries, though the data shown are the most recent available. All such variations have been noted. The data shown are for calendar years except as otherwise specified.

(2) The bases, methods of estimating, methods of data collection, extent of coverage, precision of definition, scope of territory, and margins of error may vary for different items within a particular country, and for like items for different countries. Footnotes and headnotes to the tables give a few of the major time-period and coverage qualifications attached to the figures; considerably more detail is presented in the source publications. Many of the measures shown are, at best, merely rough indicators of magnitude.

It should be noted, for example, that in interpreting the absolute levels of GNP and per capita GNP, the market exchange rates used in converting national currencies to U.S. dollars do not necessarily reflect the relative purchasing power of the various currencies. In 1980, market exchange rates were strongly influenced by balance-of-payments disequilibria, which may be presumed to be temporary, and by market expectations of future changes in purchasing power.

In terms of actual 1980 purchasing power, the U.S. dollar was undervalued in comparison with the "strong" European currencies and the Japanese yen; the same probably was true of British sterling. The Swiss franc was overvalued in comparison with all currencies. As a consequence, it should not be concluded, for instance, that Switzerland's individual standard of living in 1980 was 40 percent higher than that of the U.S., or that the U.K.'s was 19 percent lower, as the statistics may imply. (See table 1553.)

(3) Figures shown in this section for the United States may not always agree with figures shown in the preceding sections. Disagreements may be attributable to the use of differing original sources, a difference in the definition of geographic limits (the 50 States, conterminous United States only, or the United States including certain outlying areas and possessions), or to possible adjustments made in the United States figures by the United Nations or other sources in order to make them more comparable with figures from other countries.

Conversion factors.—To facilitate comparison in terms of familiar units, some items shown in metric units in the source have been converted to U.S. equivalents by means of the abbreviated conversion factors shown below. Additional conversion factors appear on p. xii.

Conversion Factors

<i>Metric units</i>	<i>U.S. equivalents</i>
1 square kilometer	0.3861 sq. mile
1 metric ton (1,000 kilograms)	1.1023 short tons
1 hectolitre	26.4172 U.S. gallons
1 cubic meter.....	35.3147 cubic feet

NO. 1539. WORLD SUMMARY: 1960 TO 1980

[See text, p. 864, for general comments concerning quality of the data]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980
Population.....	Millions	2,986	3,288	3,610	3,967	4,182	4,258	4,336	4,415
Farm products, wood, fish:									
Barley.....	Mil. sh. ton.....	100	117	154	173	195	200	175	179
Coffee.....	Mil. sh. ton.....	4.7	5.6	4.2	4.9	4.7	5.2	5.4	5.3
Corn.....	Mil. sh. ton.....	226	250	289	359	384	430	461	432
Cotton (lint).....	Mil. sh. ton.....	1.1	13	13	14	15	15	16	16
Peanuts (groundnuts).....	Mil. sh. ton.....	15	18	20	21	20	21	21	22
Potatoes.....	Mil. sh. ton.....	314	314	344	316	354	304	313	249
Rice.....	Mil. sh. ton.....	261	282	348	397	408	425	415	441
Soybeans.....	Mil. sh. ton.....	30	40	51	76	87	85	101	92
Tobacco.....	Mil. sh. ton.....	4.2	5.0	5.1	6.0	6.1	6.3	5.9	5.9
Wheat.....	Mil. sh. ton.....	269	295	351	391	431	495	472	490
Wool, greasy.....	Mil. sh. ton.....	2.8	2.9	3.1	2.9	2.9	2.9	3.0	3.1
Roundwood.....	Bil. cu. ft.....	67	73	85	85	103	104	107	(NA)
Fish catches.....	Mil. sh. ton.....	44	59	75	76	76	78	(NA)	
Industrial production:									
Electric energy.....	Bil. kWh.....	2,304	3,380	4,923	6,453	7,210	7,617	(NA)	(NA)
Energy (coal equivalent).....	Mil. sh. ton.....	4,745	5,962	7,881	9,054	9,891	10,081	10,538	(NA)
Coal.....	Mil. sh. ton.....	2,170	2,218	2,362	2,615	2,783	2,848	(NA)	(NA)
Lignite.....	Mil. sh. ton.....	700	816	874	951	996	1,017	(NA)	(NA)
Coke oven coke.....	Mil. sh. ton.....	274	346	388	404	402	395	414	(NA)
Crude petroleum ¹	Bil. bbl.....	7.7	11.1	15.7	18.5	21.8	22.0	22.8	(NA)
Iron ore.....	Mil. sh. ton.....	283	359	464	576	544	584	(NA)	(NA)
Nickel ore.....	1,000 sh. ton.....	371	493	727	821	874	880	(NA)	(NA)
Tin concentrate ²	1,000 sh. ton.....	153	171	204	194	208	219	(NA)	(NA)
Meat.....	Mil. sh. ton.....	68	77	93	108	113	115	(NA)	(NA)
Wheat flour ³	Mil. sh. ton.....	109	118	134	139	144	145	(NA)	(NA)
Sugar.....	Mil. sh. ton.....	58	72	80	90	99	99	97	94
Wine.....	Bil. gal.....	6	8	8	8	7	8	10	9
Beer.....	Bil. gal.....	11	13	17	21	20	21	(NA)	(NA)
Cigarettes ²	Billions.....	1,899	2,296	2,688	3,112	3,332	3,404	(NA)	(NA)
Noncellulosic fibers.....	1,000 sh. ton.....	772	2,260	5,368	8,223	9,998	10,769	(NA)	(NA)
Sawnwood.....	Bil. cu. ft.....	12	13	14	14	16	16	16	(NA)
Woodpulp.....	Mil. sh. ton.....	65	87	115	114	93	97	103	(NA)
Newsprint.....	Mil. sh. ton.....	15	19	24	23	25	27	28	(NA)
Cement.....	Mil. sh. ton.....	349	477	626	766	860	912	(NA)	(NA)
Pig iron and ferroalloys.....	Mil. sh. ton.....	286	369	484	538	544	574	(NA)	(NA)
Crude steel.....	Mil. sh. ton.....	382	506	655	709	733	776	(NA)	(NA)
Magnesium.....	1,000 sh. ton.....	100	173	250	291	279	337	(NA)	(NA)
Tin ²	1,000 sh. ton.....	183	166	202	193	198	212	(NA)	(NA)
Merchant vessels, launched ²	Mil. gr. ton.....	8.4	12.2	21.7	35.9	24.2	15.4	11.8	13.9
Motor vehicles.....	Millions	16.5	24.3	29.3	33.0	40.6	42.0	(NA)	(NA)
External trade:									
Imports, c.i.f.....	Bil. U.S. dol.....	135	197	329	802	1,161	1,346	1,682	2,047
Exports, f.o.b.....	Bil. U.S. dol.....	128	187	314	874	1,125	1,301	1,643	1,988
Transport:									
Railway freight.....	Bil. sh. ton-mi.....	2,285	2,873	3,438	4,104	4,386	4,512	4,530	(NA)
Merchant shipping, freight ³	Mil. sh. ton.....	1,224	1,849	2,833	3,500	3,830	(NA)	(NA)	(NA)
Civil aviation, miles flown ⁴	Millions	1,926	2,548	4,353	4,670	5,024	5,272	(NA)	(NA)

NA Not available. ¹ Source: Energy Information Administration, *International Energy Annual*, August 1980. ² Excludes People's Republic of China, Tin, tin concentrate, and merchant vessels exclude Soviet Union. For other exclusions, see source.

³ Freight loaded. ⁴ Scheduled services of members of International Civil Aviation Organization.

Source: Except as noted, Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook*. (Copyright.)

NO. 1540. WORLD POPULATION AND AREA, BY SIZE OF COUNTRY: 1970 AND 1979

[Covers only countries listed in table 1544. See headnote, table 1544]

POPULATION CLASS	1970					1979				
	Countries		Population		Area	Countries		Population		Area
	Total number	Percent of total	Total (mil.)	Percent of total	Total (1,000 sq. mi.)	Percent of total	Total number	Percent of total	Total (mil.)	Percent of total
Total	169	100.0	3,729	100.0	51,448	100.0	169	100.0	4,416	100.0
Under 1 million.....	44	26.0	14	.4	1,073	2.1	43	25.4	17	.4
1-5 million.....	48	28.4	135	3.6	5,755	11.2	39	23.1	113	2.6
5-10 million.....	26	15.4	190	5.1	4,293	8.3	31	18.3	220	5.0
10-25 million.....	25	14.8	388	10.4	14,051	27.3	27	16.0	441	10.0
25-50 million.....	11	6.5	367	9.8	2,852	5.5	13	7.7	476	10.8
Over 50 million.....	15	8.9	2,635	70.7	23,422	45.5	16	9.5	3,152	71.3

Source: Compiled from data in U.S. Bureau of the Census, *World Population: 1979—Recent Demographic Estimates for the Countries and Regions of the World*, and *Demographic Estimates for Countries With a Population of 10 Million or More: 1981*; and U.S. Department of State, *Status of the World's Nations*, biennial.

NO. 1541. WORLD POPULATION AND GROWTH, BY CONTINENT AND REGION: 1950 TO 1981

[For explanation of "more developed" and "less developed" categories, see text, p. 863]

CONTINENT AND REGION	MIDYEAR POPULATION (millions)							ANNUAL RATE OF GROWTH ¹ (percent)				
	1950	1960	1965	1970	1975	1980	1981	1950-1960	1960-1965	1965-1970	1970-1975	1975-1980
World total.....	2,532	3,062	3,360	3,730	4,115	4,498	4,577	1.9	1.9	2.1	2.0	1.8
More developed regions.....	832	945	1,002	1,049	1,096	1,136	1,144	1.3	1.2	.9	.9	.7
Less developed regions.....	1,699	2,116	2,356	2,681	3,019	3,361	3,433	2.2	2.2	2.6	2.4	2.1
Percent of world.....	67	69	70	72	73	75	75	(X)	(X)	(X)	(X)	(X)
Africa ²	221	277	314	358	409	470	484	2.3	2.5	2.6	2.7	2.8
Asia.....	1,396	1,715	1,892	2,141	2,396	2,641	2,691	2.1	2.0	2.5	2.3	1.9
More developed regions.....	84	94	99	104	112	117	118	1.2	1.0	1.1	1.3	.9
Less developed regions.....	1,312	1,621	1,793	2,036	2,284	2,524	2,574	2.1	2.0	2.6	2.3	2.0
East Asia ³	673	827	894	1,020	1,136	1,226	1,243	2.1	1.6	2.6	2.2	1.5
South Asia ³	722	888	998	1,121	1,260	1,415	1,448	2.1	2.3	2.3	2.3	2.3
Latin America ²	165	216	248	283	321	362	370	2.7	2.8	2.7	2.5	2.4
Middle America ^{2,3}	36	49	57	67	78	80	92	3.0	3.2	3.2	3.1	2.8
Caribbean ^{2,3}	17	20	23	25	28	30	31	2.0	2.2	1.9	2.1	1.8
South America ^{2,3}	112	147	168	191	215	241	247	2.7	2.7	2.6	2.4	2.3
Northern America ^{3,4}	166	189	214	226	239	252	254	1.8	1.5	1.1	1.1	1.0
Europe ⁴	392	425	444	460	474	484	487	.8	.9	.7	.6	.4
Soviet Union ⁴	180	214	231	243	254	266	268	1.7	1.5	1.0	.9	.8
Oceania.....	13	16	18	19	21	23	23	2.3	2.1	2.0	1.9	1.3
Australia and New Zealand ⁴	10	13	14	15	17	18	18	2.2	2.0	1.9	1.7	1.0
Less developed regions.....	2	3	3	4	4	5	5	2.6	2.7	2.6	2.5	2.4

X Not applicable. ¹ Computed by the exponential method. For explanation of average annual percent change, see Guide to Tabular Presentation. ² Less developed region. ³ For component countries, see table 1545. ⁴ More developed region.

Source: U.S. Bureau of the Census, *Demographic Estimates for Countries With a Population of 10 Million or More: 1981, 1981*.

NO. 1542. WORLD POPULATION CHARACTERISTICS, 1975 AND 1980, AND PROJECTIONS TO 2000

[For explanation of "more developed" and "less developed" categories, see text, p. 863]

ITEM	Unit	1975	1980	1985	1990	1995	2000
World total.....	Millions.....	4,115	4,498	4,901	5,314	5,756	6,217
Population per sq. mi.....	Number.....	78	86	93	101	110	119
Males.....	Millions.....	2,063	2,257	2,461	2,671	2,897	3,130
Females.....	Millions.....	2,052	2,241	2,439	2,642	2,859	3,087
Under 5 years old.....	Percent.....	13.3	12.3	12.0	11.7	11.2	10.8
5 to 14 years old.....	Percent.....	23.3	22.7	21.8	20.7	20.4	19.9
15 to 64 years old.....	Percent.....	57.7	59.1	60.5	61.6	62.1	62.7
65 years old and over.....	Percent.....	5.7	5.9	5.8	6.0	6.3	6.6
Median age.....	Years.....	21.9	22.6	23.5	24.3	25.2	26.1
More developed regions.....	Millions.....	1,096	1,136	1,176	1,211	1,243	1,271
Less developed regions.....	Millions.....	3,019	3,361	3,725	4,102	4,513	4,946

Source: U.S. Bureau of the Census, unpublished data.

NO. 1543. WORLD VITAL STATISTICS AND LIFE EXPECTANCY: 1975 TO 2000

[Source of data presents 3 variants or series of projections: Medium, high, and low. Figures shown here are for the medium variant. Data shown are annual averages]

ITEM	Unit	1975-1980	1980-1985	1985-1990	1990-1995	1995-2000
World growth rate.....	Percent.....	1.7	1.7	1.6	1.6	1.5
Crude birth rate ¹	Per 1,000 population.....	28.5	27.5	26.5	25.2	23.9
Crude death rate ¹	Per 1,000 population.....	11.3	10.6	10.1	9.5	9.0
Total fertility rate ²	Number.....	3.9	3.6	3.4	3.2	3.0
Life expectancy at birth, both sexes.....	Years.....	57.5	59.2	60.8	62.3	63.9
Male.....	Years.....	56.3	57.8	59.4	60.8	62.4
Female.....	Years.....	58.8	60.5	62.2	63.9	65.5

¹ See headnote, table 1546. ² Total fertility rate: Average number of children that would be born per woman if all women lived to the end of their childbearing years and, at each year of age, they experienced the birth rates occurring in the specified year.

Source: Population Division of the United Nations, New York, N.Y., *World Population Prospects as Assessed in 1980*, forthcoming, and unpublished data.

NO. 1544. POPULATION AND AREA, BY REGION AND COUNTRY

[Population data generally are de facto figures for the present territory. Population estimates were derived based on information available as of mid-1979 for countries under 10 million in 1981, and mid-1981 for other countries; no revisions were made to take account of later data. See table 1545 for country components of regions. See text, p. 864, for general comments concerning the data. For details of methodology, coverage, and reliability, see sources. Minus sign (–) denotes decrease.]

COUNTRY AND STATUS OF DEVELOPMENT ⁴	LATEST POPULATION CENSUS ¹		MIDYEAR POPULATION ESTIMATES			Population per sq. mile, 1981	AREA ³ (sq. miles)		
	Year	Number (1,000)	Number (1,000)						
			1970	1979	1981				
● = More developed ★ = Less developed									
World total.....	(X)	(X)	3,730,376	4,419,711	4,677,104	1.9	87	52,444,043	
Africa.....	(X)	(X)	357,947	456,091	483,875	2.7	41	11,706,166	
Northern America ⁴	(X)	226,483	248,864	254,380	1.1	31	8,306,942		
Latin America.....	(X)	283,105	353,614	369,988	2.4	47	7,940,533		
Middle America.....	(X)	66,869	87,873	92,412	2.9	96	963,706		
Caribbean.....	(X)	25,037	29,874	30,970	1.9	337	91,892		
South America.....	(X)	191,199	235,866	246,606	2.3	36	6,884,935		
East Asia.....	(X)	1,019,611	1,208,942	1,243,293	1.8	274	4,558,992		
South Asia.....	(X)	1,121,165	1,382,079	1,448,122	2.3	237	6,110,033		
Europe.....	(X)	459,880	492,295	486,636	.5	255	1,906,176		
Soviet Union.....	(X)	242,766	263,425	267,735	.9	31	8,649,489		
Oceania.....	(X)	19,420	22,461	23,098	1.6	7	3,285,711		
COUNTRIES									
●United States.....	1980	227,020	205,052	225,055	230,049	1.0	64	3,615,102	
★Afghanistan.....	1979	15,540	13,185	15,913	15,113	1.2	60	249,999	
●Albania.....	1979	2,585	2,136	2,626	(NA)	2.3	237	11,100	
★Algeria.....	1977	16,260	13,932	18,256	19,422	3.0	21	919,590	
★Angola.....	1970	5,646	5,573	6,543	(NA)	1.8	14	481,351	
★Argentina.....	1980	27,863	23,758	27,226	28,130	1.5	26	1,068,286	
●Australia.....	1976	13,548	12,660	14,422	14,817	1.4	5	2,957,892	
●Austria.....	1971	7,456	7,426	7,506	(NA)	.1	232	32,374	
★Bahamas, The.....	1980	242	171	236	(NA)	3.6	.44	5,380	
★Bahrain.....	1981	350	219	370	(NA)	5.6	1,542	240	
★Bangladesh.....	1981	87,052	69,700	86,128	90,680	2.4	1,631	55,598	
★Barbados.....	1980	249	239	279	(NA)	1.7	1,681	166	
●Belgium.....	1970	9,651	9,656	9,849	(NA)	2.2	836	11,779	
●Belize.....	1980	145	122	152	(NA)	2.4	.17	8,866	
●Benin.....	1979	3,943	2,653	3,379	(NA)	2.7	.78	43,483	
●Bhutan.....	1983	1,035	1,048	1,273	(NA)	2.2	.70	18,147	
●Bolivia.....	1976	4,613	4,140	5,213	(NA)	2.6	.12	424,162	
●Botswana.....	1971	809	630	764	(NA)	2.1	.3	231,804	
★Brazil.....	1980	119,025	95,684	119,175	124,815	2.4	.38	3,286,470	
●Bulgaria.....	1975	8,728	8,480	8,827	(NA)	2.4	.206	42,823	
★Burma.....	1973	28,886	27,078	33,590	35,289	2.4	135	261,217	
●Burundi.....	1979	4,110	3,569	4,192	(NA)	1.7	.390	10,747	
●Cameroon.....	1976	7,132	6,727	8,323	(NA)	2.4	.45	183,568	
●Canada.....	1976	22,993	21,324	23,690	24,190	1.1	.6	3,851,787	
★Cape Verde.....	1980	289	269	328	(NA)	2.2	.211	1,557	
●Central African Republic.....	1975	2,086	1,855	2,284	(NA)	2.3	.9	240,594	
★Chad.....	1984	3,254	3,707	4,528	(NA)	2.2	.9	495,752	
★Chile.....	1970	6,885	9,369	10,846	11,162	1.6	.38	292,256	
China:									
★Mainland.....	1953	582,603	848,348	1,012,197	1,041,532	1.9	281	3,706,560	
★Taiwan.....	1980	16,032	14,598	17,459	18,125	2.0	1,455	12,456	
●Colombia.....	1973	21,147	21,430	24,592	25,217	1.5	.57	439,735	
●Comoros.....	1980	408	270	359	(NA)	3.2	.428	838	
●Congo.....	1974	1,300	1,183	1,508	(NA)	2.7	.11	132,046	
●Costa Rica.....	1973	1,872	1,736	2,184	(NA)	2.6	.112	19,575	
●Cuba.....	1981	9,708	8,551	9,824	(NA)	1.5	.222	44,218	
●Cyprus.....	1976	613	615	621	(NA)	.1	.174	3,572	
●Czechoslovakia.....	1980	15,277	14,319	15,182	15,312	.6	310	49,370	
●Denmark.....	1976	5,072	4,929	5,118	(NA)	2.4	.308	16,629	
●Djibouti.....	1970-	71	164	160	386	9.8	.45	8,494	
●Dominican Republic.....	1970	4,009	4,343	5,551	(NA)	2.7	.295	18,816	
●Ecuador.....	1974	6,522	5,958	7,783	(NA)	2.9	.71	109,483	
●Egypt.....	1976	36,626	33,197	40,891	43,437	2.4	.112	386,659	
●El Salvador.....	1971	3,655	3,582	4,662	(NA)	2.9	.574	8,124	
●Equatorial Guinea.....	1960	246	291	244	(NA)	2.0	.23	10,830	
●Ethiopia.....	(X) (NA)	25,299	29,977	29,994	(NA)	1.5	.64	471,776	
●Fiji.....	1976	588	521	618	(NA)	1.9	.88	7,055	
●Finland.....	1975	4,718	4,606	4,764	(NA)	.4	.37	130,119	
●France.....	1975	52,656	50,787	53,477	53,945	.5	.255	211,207	
●Gabon.....	1980	1,232	493	637	(NA)	2.8	.6	103,346	

See footnotes at end of table.

NO. 1544. POPULATION AND AREA, BY COUNTRY—Continued

[See headnote, p. 867]

COUNTRY AND STATUS OF DEVELOPMENT	LATEST POPULATION CENSUS ¹		MIDYEAR POPULATION ESTIMATES			Population per sq. mile, 1981	AREA ³ (sq. mile)		
	Year	Number (1,000)	Number (1,000)						
			1970	1979	1981				
● More developed									
★ Less developed									
★ Gambia, The.....	1973	493	458	585	(NA)	5 2.7	6 134		
● German Dem. Rep.....	1971	17,088	17,070	16,745	16,771	-2	402		
● Germany, Fed. Rep. of.....	1970	60,851	60,714	61,337	61,760	-2	643		
★ Ghana.....	1970	6,559	8,789	11,742	12,531	3.2	196		
● Greece.....	1971	8,789	8,793	9,444	(NA)	5 8	6 185		
★ Grenada.....	1970	94	95	105	(NA)	5 1.1	6 789		
★ Guatemala.....	1973	5,160	5,262	6,849	(NA)	5 2.9	6 163		
★ Guinea.....	(X)	(NA)	4,069	5,275	(NA)	5 2.9	6 56		
★ Guinea-Bissau.....	1979	777	487	638	(NA)	5 3.0	6 46		
★ Guyana.....	1970	702	715	832	(NA)	5 1.7	6 10		
★ Haiti.....	1971	4,330	4,605	5,670	(NA)	5 2.3	6 529		
★ Honduras.....	1974	2,657	2,683	3,645	(NA)	5 3.4	6 84		
● Hungary.....	1980	10,710	10,337	10,699	10,738	3	299		
● Iceland.....	R 1970	205	204	226	(NA)	5 1.1	6 6		
★ India ²	1981	684,025	553,619	677,028	707,836	2.2	558		
★ Indonesia.....	1980	147,490	122,671	148,085	154,339	2.1	197		
★ Iran.....	1976	33,708	28,933	37,647	39,958	2.9	63		
★ Iraq.....	1977	12,000	9,414	12,701	13,575	3.3	81		
● Ireland.....	1979	3,368	2,950	3,365	(NA)	5 1.5	6 124		
★ Israel.....	1972	3,148	2,974	3,784	(NA)	5 2.7	6 472		
● Italy.....	1971	54,137	53,661	56,888	57,173	.6	492		
★ Ivory Coast.....	1975	6,710	5,424	7,761	(NA)	5 4.0	6 62		
★ Jamaica.....	1970	1,849	1,944	2,215	(NA)	5 1.5	6 522		
● Japan.....	1980	117,057	104,345	115,870	117,711	1.1	819		
★ Jordan.....	A 1981	1,711	2,262	3,189	(NA)	5 3.8	6 85		
★ Kampuchea.....	1982	5,728	7,080	5,767	(NA)	5 -2.2	6 83		
★ Kenya.....	1979	15,322	11,256	15,778	17,116	3.8	76		
★ Korea, Dem. Peo. Rep. of.....	(X)	(NA)	13,892	17,473	18,317	2.5	392		
★ Korea, Republic of.....	1980	37,449	32,976	39,144	40,430	1.9	1,063		
★ Kuwait.....	1980	1,356	748	1,277	(NA)	5 5.9	6 186		
★ Laos.....	(X)	(NA)	2,982	3,440	(NA)	5 1.7	6 38		
★ Lebanon.....	S 1970	2,126	2,330	2,943	(NA)	5 2.6	6 733		
★ Lesotho.....	1976	1,214	1,086	1,305	(NA)	5 2.2	6 111		
★ Liberia.....	A 1974	1,503	1,335	1,788	(NA)	5 3.2	6 42		
★ Libya.....	1973	2,249	1,956	2,920	(NA)	5 4.5	6 4		
● Luxembourg.....	1970	340	339	358	(NA)	5 6	6 359		
★ Madagascar.....	1975	7,569	6,759	8,349	(NA)	5 2.3	6 36		
● Malawi.....	1977	5,562	4,450	5,882	(NA)	5 3.1	6 128		
● Malaysia.....	1980	13,436	10,910	13,674	14,330	2.5	113		
● Maldives.....	1978	143	115	150	(NA)	5 3.0	6 1,304		
● Mali.....	1976	6,097	5,143	6,464	(NA)	5 2.5	6 14		
● Malta.....	1967	316	326	347	(NA)	5 7	6 2,844		
★ Mauritania.....	1976	1,407	1,254	1,474	(NA)	5 1.8	6 4		
● Mauritius.....	1972	851	830	941	(NA)	5 1.4	6 1,307		
● Mexico.....	1980	67,406	50,078	66,140	69,608	3.0	91		
★ Mongolia.....	1979	1,595	1,248	1,616	(NA)	5 2.9	6 3		
★ Morocco.....	1971	15,379	15,909	20,368	21,590	2.8	125		
★ Mozambique.....									
● Nepal.....	A 1980	12,130	9,442	11,839	12,356	2.4	41		
● Netherlands.....	1981	14,179	11,919	14,608	15,338	2.3	282		
● New Zealand.....	1971	13,060	13,032	14,030	14,253	.8	904		
● Nicaragua.....	1976	3,129	2,811	3,107	(NA)	5 1.1	6 30		
● Niger.....	1971	1,878	1,908	2,365	(NA)	5 2.4	6 47		
● Niger.....	1977	5,098	4,128	5,346	(NA)	5 2.9	6 11		
● Nigeria.....	(X)	(NA)	56,346	74,595	79,682	3.2	223		
● Norway.....	1970	3,874	3,877	4,074	(NA)	5 .6	6 33		
● Oman.....	(X)	(NA)	654	864	(NA)	5 3.1	6 11		
● Pakistan ³	1981	83,782	65,706	84,063	90,439	2.9	291		
● Panama.....	1980	1,820	1,497	1,876	(NA)	5 2.5	6 64		
● Papua New Guinea.....	A 1971	2,490	2,418	3,067	(NA)	5 2.6	6 17		
● Paraguay.....	1972	2,358	2,477	3,117	(NA)	5 2.6	6 20		
● Peru.....	1981	17,031	13,461	17,149	18,119	2.7	37		
● Philippines.....	1980	47,914	37,542	47,820	50,310	2.7	434		
● Poland.....	1978	35,061	32,526	35,257	35,925	.9	298		
● Portugal.....	1970	8,663	9,044	9,843	(NA)	5 .9	6 277		
● Qatar.....	1970	111	111	210	(NA)	5 7.1	6 49		
● Romania.....	1977	21,580	20,253	22,048	22,381	.9	244		
● Rwanda.....	1978	4,819	3,786	4,955	(NA)	5 3.0	6 487		

See footnotes at end of table.

Population and Area

869

No. 1544. POPULATION AND AREA, BY COUNTRY—Continued

[See headnote, p. 867]

COUNTRY AND STATUS OF DEVELOPMENT	LATEST POPULATION CENSUS ¹	MIDYEAR POPULATION ESTIMATES					Popula- tion per sq. mile, 1981	AREA ³ (sq. mile)		
		Number (1,000)			Average annual percent change, 1970- 1981 ²					
		Year	Num- ber (1,000)	1970	1979	1981				
● More developed										
★ Less developed										
★ Saint Lucia.....	1980	116	103	121	(NA)	5 1.8	508	238		
★ Saint Vincent and the Grenadines	1970	87	88	111	(NA)	5 2.6	740	150		
● Saudi Arabia.....	1974	7,013	6,174	9,292	(NA)	5 4.5	11	829,995		
★ Senegal.....	1976	4,907	4,385	5,532	(NA)	5 2.6	73	75,750		
★ Sierra Leone.....	1974	2,735	2,753	3,309	(NA)	5 2.0	119	27,899		
★ Singapore	1980	2,414	2,075	2,363	(NA)	5 1.4	10,549	224		
★ Solomon Islands.....	1976	197	163	222	(NA)	5 3.4	19	11,500		
★ Somalia.....	1975	3,494	2,806	3,474	(NA)	5 2.4	14	246,199		
★ South Africa.....	1980	25,083	22,485	27,987	29,313	2.4	62	471,442		
● Soviet Union.....	1979	262,436	242,766	263,425	267,735	.9	31	8,649,489		
● Spain.....	1970	33,956	33,876	37,108	37,711	1.0	193	194,896		
★ Sri Lanka.....	1981	14,850	12,532	14,610	15,172	1.7	599	25,392		
★ Sudan.....	1973	14,114	13,788	18,155	19,312	3.1	20	967,494		
★ Suriname.....	1980	352	373	404	(NA)	5 .9	6	63,037		
★ Swaziland.....	1976	499	420	541	(NA)	5 2.8	81	6,704		
● Sweden.....	1975	8,209	8,043	8,296	(NA)	5 .3	48	173,731		
● Switzerland.....	1970	6,270	6,287	6,343	(NA)	5 .1	398	15,941		
★ Syria.....	1976	7,726	6,258	8,506	(NA)	5 3.4	119	71,498		
★ Tanzania.....	1978	17,528	13,446	18,018	19,233	3.3	53	363,947		
★ Thailand.....	1970	34,397	37,091	46,687	48,787	2.5	246	198,455		
★ Togo.....	1970	1,951	1,964	2,544	(NA)	5 2.9	118	21,622		
★ Trinidad and Tobago.....	1980	1,067	1,027	1,150	(NA)	5 1.3	581	1,980		
★ Tunisia.....	1975	5,572	5,085	6,312	(NA)	5 2.4	100	63,170		
★ Turkey.....	1980	45,218	35,743	44,561	46,673	2.4	155	301,380		
★ Uganda.....	1980	12,630	9,806	12,418	13,222	2.7	145	91,075		
● United Arab Emirates.....	1975	558	225	871	(NA)	5 15.0	27	32,279		
● United Kingdom.....	1971	55,515	55,522	55,946	56,020	.1	595	94,226		
★ Upper Volta.....	1975	5,337	5,465	6,661	(NA)	5 2.2	63	105,889		
★ Uruguay.....	1975	2,782	2,824	2,910	(NA)	5 .3	43	68,037		
★ Vanuatu ³	1979	113	85	114	(NA)	5 3.3	20	5,700		
★ Venezuela.....	1971	10,722	10,982	16,574	17,913	4.5	51	352,143		
★ Vietnam.....	1979	52,742	42,984	52,428	55,053	2.2	433	127,242		
★ Western Samoa.....	1978	152	142	155	(NA)	5 1.0	141	1,097		
★ Yemen, Peo. Dem. Rep. of.....	1973	1,590	1,496	1,863	(NA)	5 2.4	14	128,559		
★ Yemen Arab Republic.....	1975	4,520	4,357	5,126	(NA)	5 1.8	68	75,290		
● Yugoslavia.....	1971	20,523	20,371	22,160	22,545	.9	228	98,765		
★ Zaire.....	1974	24,327	21,638	27,931	29,441	2.8	33	905,562		
★ Zambia.....	1980	5,680	4,251	5,649	(NA)	5 3.2	19	290,584		
★ Zimbabwe.....	1969	5,099	5,546	7,254	(NA)	5 3.0	48	151,000		
AREAS OF SPECIAL SOVEREIGNTY AND DEPENDENCIES										
★ Brunel.....	1971	136	128	213	(NA)	5 5.7	96	2,228		
● Channel Islands.....	1971	123	122	130	(NA)	5 .7	1,733	75		
★ French Polynesia.....	1977	137	116	144	(NA)	5 2.4	93	1,544		
★ Gaza Strip.....	1967	356	329	420	(NA)	5 2.7	2,877	146		
★ Guadeloupe.....	1974	325	320	312	(NA)	5 -.3	455	686		
★ Hong Kong.....	1981	4,852	3,959	4,900	(NA)	5 2.4	12,312	398		
★ Macau.....	1970	249	245	282	(NA)	5 1.6	47,000	6		
★ Martinique.....	1974	325	325	310	(NA)	5 -.5	719	431		
★ Namibia.....	1970	762	766	994	(NA)	5 2.9	3	318,261		
★ Netherlands Antilles.....	1971	218	218	240	(NA)	5 1.1	757	317		
★ New Caledonia.....	1976	133	111	136	(NA)	5 2.3	16	8,548		
★ Pacific Is., Tr. Terr. of.....	1973	115	102	131	(NA)	5 2.8	191	687		
★ Puerto Rico.....	1980	3,188	2,718	3,395	(NA)	5 2.5	988	3,435		
★ Reunion.....	1974	477	445	503	(NA)	5 1.4	519	970		

NA Not available. X Not applicable. ¹ For countries in which no recent census has been taken, survey or national registry data (identified respectively as "S" and "R") are shown. For countries in which the unadjusted census returns are not reported, adjusted census returns (identified as "A") are shown. ² Computed by the exponential method. For explanation of average annual percent change, see Guide to Tabular Presentation. ³ Includes inland waters. Source: U.S. Department of State, *Status of the World's Nations*, biennial.

⁴ Includes Bermuda, Canada, Greenland, St. Pierre and Miquelon, and United States. ⁵ 1970-1979. ⁶ 1979 data. ⁷ Includes the Indian-held part of Jammu and Kashmir. ⁸ Excludes the Pakistani-held part of Jammu and Kashmir. ⁹ Formerly New Hebrides.

Source: Except as noted, U.S. Bureau of the Census, *World Population 1979—Recent Demographic Estimates for the Countries and Regions of the World; Demographic Estimates for Countries With a Population of 10 Million or More: 1981*, and unpublished data.

Comparative International Statistics

NO. 1545. POPULATION PROJECTIONS, BY REGION AND FOR SELECTED COUNTRIES: 1980 TO 2025

[In millions. Source of data presents 3 series of projections. Figures shown here are for medium series]

REGION AND COUNTRY	1980	1985	2000	2025	REGION AND COUNTRY	1980	1985	2000	2025
World, total	4,432.1	4,826.3	6,118.9	8,195.1	East Asia ²	1,174.9	1,250.1	1,474.7	1,712.1
More developed ¹	1,131.3	1,170.2	1,272.2	1,376.8	China: Mainland	994.9	1,060.1	1,257.3	1,469.3
Less developed ¹	3,300.8	3,656.2	4,846.7	6,818.3	Hong Kong	5.1	5.7	7.0	7.9
Africa	470.0	546.2	862.9	1,541.7	Japan	116.6	120.2	129.3	131.5
Eastern Africa ²	133.5	155.8	250.0	477.0	Korea, Dem. Peo., Rep. of	17.9	20.1	27.3	37.6
Burundi	4.2	4.8	7.2	13.3	Korea, Rep. of	38.5	41.8	50.8	61.5
Ethiopia	31.5	35.6	54.7	93.6	South Asia	1,403.7	1,564.7	2,074.8	2,819.3
Kenya	16.5	20.2	37.1	82.3	Eastern So. Asia ²	361.2	400.2	520.4	688.5
Madagascar	8.7	10.0	15.2	26.4	Burma	35.3	39.9	55.1	81.6
Malawi	6.2	7.3	12.0	23.0	Indonesia	148.0	160.7	198.7	248.9
Mozambique	10.5	12.0	18.7	36.3	Kampuchea	6.7	7.6	10.6	14.1
Rwanda	4.8	5.6	9.3	19.6	Laos	3.7	4.2	5.7	8.2
Somalia	4.6	5.6	7.2	13.4	Malaysia	14.1	15.8	21.3	28.8
Uganda	13.2	15.5	25.4	51.9	Philippines	49.2	56.0	77.0	107.7
Tanzania	17.9	21.1	34.0	63.6	Singapore	2.4	2.6	3.0	3.3
Zambia	5.8	6.8	11.3	21.8	Thailand	47.1	52.5	68.6	90.1
Zimbabwe	7.4	8.8	14.7	28.4	Vietnam	53.7	60.0	78.9	105.7
Middle Africa ²	53.1	60.7	91.4	162.2	Middle So. Asia ²	944.1	1,050.9	1,386.3	1,867.0
Angola	7.1	9.1	12.4	23.6	Afghanistan	15.9	18.1	26.5	42.1
Cameroon	8.4	9.6	13.9	23.4	Bangladesh	88.2	101.4	148.4	221.8
Cen. African Rep.	2.3	2.6	3.9	7.4	India	684.5	752.9	960.6	1,233.8
Chad	4.5	5.0	7.1	12.2	Iran	38.1	44.4	64.9	99.4
Zaire	28.3	32.6	50.0	87.9	Nepal	14.3	16.0	22.5	33.6
Northern Africa ²	109.0	125.8	186.2	295.9	Pakistan	86.9	100.0	140.0	206.0
Algeria	18.9	22.6	37.0	62.9	Sri Lanka	14.8	16.4	21.1	26.8
Egypt	42.0	47.2	64.4	94.9	Western So. Asia ²	98.4	113.6	168.1	263.8
Libya	3.0	3.6	6.1	10.9	Iraq	13.1	15.5	24.2	40.4
Morocco	20.3	23.9	36.5	59.3	Israel	3.9	4.4	5.6	7.5
Sudan	18.4	21.2	32.3	54.4	Jordan	3.2	3.9	6.5	11.2
Tunisia	6.4	7.2	9.6	13.1	Lebanon	2.7	3.0	4.0	5.6
Southern Africa ²	33.0	38.1	58.0	100.6	Saudi Arabia	9.0	10.8	17.8	31.0
South Africa	29.3	33.8	51.3	88.3	Syria	9.0	10.9	18.7	32.7
Western Africa ²	141.4	165.7	267.3	505.1	Turkey	45.3	51.1	70.0	100.4
Benin	3.5	4.1	6.8	13.9	Yemen, Arab Rep.	5.8	6.5	9.8	16.3
Ghana	11.7	13.8	22.3	42.0	Europe (excl. Soviet Union)	483.7	491.9	512.0	522.2
Guinea	5.0	5.7	8.8	16.8	Eastern Europe	110.0	113.4	121.4	130.7
Ivory Coast	8.0	9.4	14.8	28.7	Bulgaria	9.0	9.2	9.7	10.1
Mali	6.9	8.0	12.6	25.0	Czechoslovakia	15.3	15.7	16.8	18.5
Niger	5.3	6.2	10.0	20.5	German Dem. Rep.	16.9	16.9	16.9	16.4
Nigeria	77.1	91.2	150.0	285.5	Hungary	10.8	10.9	11.0	10.9
Senegal	5.7	6.5	9.7	16.8	Poland	35.8	37.6	41.2	45.7
Togo	2.6	3.1	4.8	8.9	Romania	22.3	23.2	25.7	29.0
Upper Volta	6.9	7.9	11.9	20.5	Northern Europe ²	82.0	82.2	82.6	81.3
Latin America	363.7	409.7	556.7	865.2	Denmark	5.1	5.2	5.2	5.1
Caribbean ²	30.6	33.6	43.3	61.9	Finland	4.9	5.0	5.1	4.8
Cuba	9.7	10.0	11.7	13.6	Ireland	3.3	3.5	4.1	5.0
Dominican Rep.	5.9	6.7	9.3	14.5	Norway	4.1	4.1	4.3	4.4
Haiti	5.8	6.6	9.9	18.3	Sweden	8.3	8.3	8.1	7.6
Middle America ²	92.5	106.8	155.7	242.9	United Kingdom	55.9	55.6	55.2	53.7
El Salvador	4.8	5.6	8.7	15.0	Southern Europe ²	139.0	143.3	153.6	160.6
Guatemala	7.3	8.4	12.7	21.7	Albania	2.7	3.0	3.9	5.0
Honduras	3.7	4.4	7.0	13.3	Greece	9.3	9.6	10.4	11.2
Mexico	69.8	80.5	115.7	174.0	Italy	56.9	57.8	58.1	57.0
Nicaragua	2.7	3.2	5.2	9.8	Portugal	9.8	10.2	11.2	12.3
Temperate South America ²	41.1	43.8	51.6	61.9	Spain	37.4	39.0	43.4	48.3
Argentina	27.0	28.7	33.2	39.1	Yugoslavia	22.3	23.2	25.2	26.3
Chile	11.1	12.1	14.9	18.8	Western Europe ²	152.7	153.0	154.5	149.6
Uruguay	2.9	3.0	3.4	4.1	Austria	7.5	7.5	7.4	7.1
Tropical South America ²	199.5	225.5	315.1	498.5	Belgium	9.8	9.9	10.0	9.7
Bolivia	5.6	6.4	9.7	19.5	France	53.5	54.3	56.3	57.1
Brazil	122.3	137.2	187.5	291.3	Germany, Fed. Rep. of	60.0	60.1	58.8	64.0
Colombia	25.8	28.7	36.0	51.7	Netherlands	14.1	14.4	15.2	15.2
Ecuador	8.0	9.4	14.6	25.7	Switzerland	6.5	6.5	6.5	6.0
Paraguay	3.2	3.7	5.4	8.6	Soviet Union	265.5	278.2	310.2	355.0
Peru	17.6	20.3	30.7	56.0	Oceania ²	22.8	24.5	29.7	36.1
Venezuela	15.6	18.4	27.2	42.8	Australia	14.5	15.3	17.8	19.9
Northern America ²	247.8	261.0	298.8	343.5	New Zealand	3.3	3.5	4.0	4.7
Canada	24.5	26.4	34.8	37.5	Papua New Guinea	3.2	3.6	5.2	8.0
United States	223.2	234.5	263.8	305.8					

¹ Regions.² Includes countries not shown separately.

NO. 1546. POPULATION UNDER AGE 15, GROWTH, BIRTH, DEATH, AND INFANT MORTALITY RATES, AND LIFE EXPECTANCY—SELECTED COUNTRIES

[Covers countries with 10 million or more population in 1981. **Growth rate:** Annual increase (or decrease) to the population resulting from a surplus or deficit of births over deaths and a surplus or deficit of migrants into or out of the country, expressed as a percentage of the base population. **Crude birth rate:** Number of births during 1 year per 1,000 persons (based on midyear population). **Crude death rate:** Number of deaths during 1 year per 1,000 persons (based on midyear population). **Infant mortality rate:** Number of deaths of children under 1 year of age per 1,000 live births in a calendar year. **Life expectancy at birth:** Number of years to be lived by persons born in a certain year if mortality rates for each age group remain constant in the future. Minus sign (–) denotes decrease.]

COUNTRY	POPULATION UNDER 15 YEARS OLD		Growth rate of population, 1981 (percent)	Crude birth rate, 1981	Crude death rate, 1981	INFANT MORTALITY		EXPECTATION OF LIFE AT BIRTH	
	Year or period	Per- cent of total popu- lation				Year or period	Rate	Year or period	Both sexes (yr.)
United States.....	1980	23	1.0	16	9	1980	12	1978	73
Afghanistan.....	1972-73	45	-1.2 to -3	50-53	28-32	1972-73	217-236	1972-73	35-39
Algeria.....	1977	46	2.9-3.3	42-47	13-14	1977	127	1977	55
Argentina.....	1970	29	1.6	25	9	1978	41	1969-70	65
Australia.....	1978	25	1.4	15	7	1979	11	1979	74
Bangladesh.....	1974	46	2.5-2.7	43-47	17-19	1969-74	153	1969-74	46
Brazil.....	1970	44	2.2-2.4	30-32	8	1974-75	84	1974-75	60
Burma.....	1973	40	2.2-2.5	36-39	13-14	(x)	(NA)	(x)	(NA)
Canada.....	1977	25	1.0	15	7	1978	12	1971	73
Chile.....	1970	38	1.4	22	7	1979	40	1968-70	62
China:									
Mainland.....	1953	36	1.2-1.6	19-25	7-9	(x)	(NA)	(x)	(NA)
Taiwan.....	1975	36	1.8	23	5	1979	24	1979	71
Colombia.....	1978	42	1.6	28	8	1973	77	1973	59
Czechoslovakia.....	1980	24	3.5	15-17	12	1980	18	1979	71
Egypt.....	1976	40	2.9-3.0	41-42	12	1975	92	1975	54
Ethiopia.....	1971	45	9.2-3.1	42-52	20-26	1964-71	155-200	1964-71	36-44
France.....	1980	22	.4	14	10	1979	10	1979	73
German Dem. Rep.....	1979	20	.1-.2	14-16	14	1979	13	1977	72
Germany, Fed. Rep. of.....	1978	20	.1	10	12	1979	14	1976-78	72
Ghana.....	1970	46	3.1-3.5	43-47	12-13	1970	115	1970	49
Hungary.....	1979	21	1.1-2	14-15	13	1979	24	1979	70
India.....	1971	41	1.9-2.2	33-35	13-14	1973-78	125	1969	47
Indonesia.....	1976	43	2.0-2.2	34-35	13-14	1975	114	1975	46
Iran.....	1976	45	3.0-3.2	42-44	12	1973-76	112	1973-76	58
Iraq.....	1977	49	3.3-3.4	46-48	12-14	(x)	(NA)	(x)	(NA)
Italy.....	1980	22	.2	11	10	1979	15	1974-77	73
Japan.....	1980	24	.7	14	6	1979	8	1978	76
Kenya.....	1969	48	4.0-4.1	52-54	12	1977	83	1977	53
Korea, Dem. Peo. Rep. of.....	(x)	(NA)	2.2-2.6	30-33	7-8	(x)	(NA)	(x)	(NA)
Korea, Rep. of.....	1975	39	1.4-1.8	21-24	6	1970	47	1970	64
Malaysia.....	1970	45	2.2-2.4	29-32	7	1978	29	1970	60
Mexico.....	1976	46	2.4-2.6	30-33	6	1972-74	70	1969-71	60
Morocco.....	1971	46	2.8-3.0	41-44	12-13	1972	162	1972	51
Mozambique.....	1970	45	2.3-3.0	42-47	17-18	(x)	(NA)	(x)	(NA)
Nepal.....	1976	39	2.3-2.5	42-44	18-19	1974-76	133	1974-76	43
Netherlands.....	1978	24	.7	13	8	1979	9	1978	75
Nigeria.....	1953	44	3.0-3.4	47-51	17-18	1965-66	178	1970-73	37
Pakistan.....	1975	44	3.1-3.3	43-45	16	1971	142	1962-65	48
Peru.....	1972	44	2.5-2.8	36-39	11	1970-75	114	1970-75	55
Philippines.....	1975	44	2.4-2.6	33-35	7-8	1976	66	1975	61
Poland.....	1979	24	3.1-3.3	18-20	9	1979	21	1975-76	71
Romania.....	1979	26	.6-8	16-18	10	1978	32	1976-78	70
South Africa.....	1970	42	2.3-2.5	35-37	11-12	1970	93-101	1965-70	57
Soviet Union.....	1979	24	.7-9	18-20	10	1975	31	1973-74	70
Spain.....	1976	27	.8	16	8	1979	13	1975	73
Sri Lanka.....	1971	39	1.8-1.9	28-29	6-7	1978	38	1970-72	64
Sudan.....	1973	43	2.8-3.5	45-49	17	1968-73	140-144	1968-73	45-47
Tanzania.....	1978	46	3.1-3.3	44-49	13-16	1973	120-130	1973	45-49
Thailand.....	1970	44	2.0-2.3	26-30	6-8	1974-75	76	1974-75	61
Turkey.....	1975	40	2.2-2.3	32-34	10-11	1972-77	134	1974-75	57
Uganda.....	1969	46	3.0-3.5	46-50	15-18	1969	120	1969	46
United Kingdom.....	1978	22	.1	13	12	1979	13	1976-78	73
Venezuela.....	1971	45	3.4-3.8	31-36	5	1971	64	1971	63
Yugoslavia.....	1979	25	7-9	16-18	9	1979	92	1977	70
Zaire.....	1955-58	39-42	2.4-3.0	43-46	15-19	1955-57	165-177	1955-57	37-40

NA Not available. X Not applicable.

Source: U.S. Bureau of the Census, *Demographic Estimates for Countries With a Population of 10 Million or More: 1981, 1981*.

NO. 1547. ESTIMATED NET MIGRATION FOR SELECTED COUNTRIES OF NORTH AMERICA, EUROPE, AND OCEANIA: 1950 TO 1974

[Except as noted, net migration was calculated by subtracting natural increase (number of births minus number of deaths) from total population change during the period. Minus sign (–) denotes net out-migration]

COUNTRY	NUMBER (1,000)			AVERAGE ANNUAL RATE PER 1,000 POPULATION		
	1950-1960	1960-1970	1970-1974	1950-1960	1960-1970	1970-1974
United States.....	2,981	3,932	1,406	1.8	2.0	1.7
Australia.....	831	881	236	9.0	7.7	4.6
Austria.....	-141	38	67	-2.0	.5	2.2
Belgium.....	59	152	67	.7	1.6	1.7
Bulgaria.....	-183	-15	-32	-2.2	-2	-9
Canada.....	1,105	697	389	6.9	3.6	4.4
Czechoslovakia.....	-	-174	-9	-	-1.2	-2
Denmark.....	-52	20	22	-1.2	.4	1.1
Finland.....	-73	-164	13	-1.7	-3.6	.7
France.....	1,080	2,177	505	2.5	4.5	2.4
German Dem. Rep.	-2,056	-433	-21	-11.6	-2.5	-3
Germany, Fed. Rep. of.....	2,546	2,047	1,439	4.8	3.5	5.9
Greece.....	-196	-364	-91	-2.5	-4.3	-2.6
Hungary.....	-184	9	-	-1.7	.1	-
Ireland.....	-397	-161	-12	-13.7	-5.6	-1.0
Italy.....	-1,166	-792	-44	-2.4	-1.5	(-2)
Netherlands.....	-142	92	104	-1.3	.8	2.0
New Zealand.....	102	43	65	4.8	1.7	5.6
Norway.....	-14	4	12	-4	.1	.8
Poland.....	-220	-306	-57	-8	-1.0	-4
Portugal.....	-682	-1,234	-273	-7.7	-14.0	-7.8
Romania.....	-138	-112	-39	-8	-6	-2
Spain.....	-826	-561	-316	-2.8	-1.7	-2.3
Sweden.....	93	204	7	1.3	2.6	.2
Switzerland.....	296	398	37	5.9	6.8	1.5
United Kingdom.....	-57	-181	-125	-2	-3	-5
Yugoslavia.....	-582	-700	-350	-3.3	-3.6	-4.3

- Represents zero. Z Less than .05.

Source: United Nations, Dept. of Economic and Social Affairs, New York, N.Y., *World Population Trends and Policies, 1977 Monitoring Report*, vol. 1, 1979.

NO. 1548. ILLITERATE POPULATION 15 YEARS OLD AND OVER, BY REGION: 1970 AND PROJECTIONS TO 1980 AND 1990

[In millions, except percent. Illiteracy is defined as the inability both to read and write. See text, p. 864, for general comments concerning the data. See table 1545 for country components of regions]

REGION	1970			1980			1990		
	Total adults	Illiterate adults		Total adults	Illiterate adults		Total adults	Illiterate adults	
		Number	Percent		Number	Percent		Number	Percent
World ^{1,2}	1,753	569	32.5	2,165	627	28.9	2,680	683	25.7
Africa.....	197	139	70.6	257	156	60.6	341	168	49.1
Latin America.....	162	46	28.1	218	44	20.3	291	40	13.7
Northern America.....	162	2	1.0	190	1	.5	207	1	.5
East Asia ¹	101	3	3.4	118	3	2.4	135	2	1.8
South Asia ²	600	358	59.8	789	402	51.0	1,048	451	43.0
Europe.....	345	15	4.3	375	12	3.1	398	10	2.5
Soviet Union.....	173	1	.5	203	1	.5	220	1	.5
Oceania.....	13	1	9.9	16	1	8.3	19	2	8.3

¹ Excludes People's Republic of China and Democratic People's Republic of Korea.

² Excludes Vietnam.

Source: United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Estimates and Projections of Illiteracy*, CSR-E-29, 1978.

NO. 1549. EDUCATION AND ILLITERACY, BY COUNTRY

[**Teachers and students:** Data cover both public and private schools for school year beginning in year stated and exclude schools and classes organized for adults or handicapped children. **Expenditure:** Include both capital and current expenditures on public education and subsidized private education converted to U.S. dollars at end of period exchange rates then in effect. For all communist countries except Bulgaria, German Democratic Republic, and Romania, non-commercial rates were used. **Illiteracy:** Defined as inability both to read and write in any, or a specified, language. See text, p. 864, for general comments concerning the data. For additional qualifications for individual countries, see source.]

COUNTRY	Year	1ST LEVEL ¹		2D LEVEL ²		PUBLIC EXPENDITURE FOR EDUCATION			Illiterate population, 1980: Percent of population, 15 years old and over	
		Teachers (1,000)	Students enrolled (1,000)	Teachers (1,000)	Students enrolled (1,000)	Year	Total (mil. dol.)	Percent of—		
United States.....	1977	³ 1,390	³ 25,652	³ 1,130	³ 20,342	1977	120,700	17.7	6.3	.5
Afghanistan.....	1979	33	1,006	6	133	1978	⁵ 59	13.7	1.7	88.7
Algeria.....	1979	85	3,061	37	933	1979	⁴ 1,180	⁴ 12.3	⁴ 3.8	56.2
Angola.....	1972	13	516	5	79	1972	⁶ 48	⁵ 11.9	⁵ 2.2	(NA)
Argentina.....	1977	199	3,680	⁶ 173	⁶ 1,293	1978	1,751	10.9	2.7	6.7
Australia.....	1979	⁷ 91	⁷ 1,681	85	1,098	1977	6,402	16.2	6.5	.5
Austria.....	1979	26	421	60	726	1978	3,280	8.0	5.7	.5
Bangladesh.....	1979	188	8,219	112	2,764	1978	159	10.1	2.2	58.6
Belgium.....	1979	44	² 862	³ 71	⁸ 839	1978	⁶ 5,768	⁸ 16.7	⁶ 6.0	.5
Brazil.....	1977	897	20,567	168	2,438	1979	7,479	(NA)	3.8	24.5
Bulgaria.....	1979	51	976	26	321	1978	1,043	(NA)	⁹ 5.6	5.6
Burma.....	1977	68	3,711	24	886	1977	68	12.2	1.7	30.3
Cameroon.....	1978	25	1,254	8	199	1978	117	16.0	2.9	44.8
Canada.....	1979	¹⁰ ¹¹ 256	2,206	¹² ¹³ 97	¹⁰ 2,388	1978	16,153	18.5	8.1	.5
Chile.....	1979	66	2,236	27	536	1978	491	(NA)	3.2	7.5
China: Mainland.....	1978	(NA)	146,240	(NA)	65,483	(X)	(NA)	(NA)	(NA)	(NA)
Colombia.....	1979	139	4,338	86	1,879	1978	⁸ 513	⁸ 19.9	⁸ 2.3	13.7
Cuba.....	1979	87	1,550	¹⁰ 62	1,009	1978	1,476	(NA)	(NA)	(NA)
Czechoslovakia.....	1979	90	1,875	26	376	1978	1,992	7.5	⁹ 4.9	(NA)
Ecuador.....	1979	¹⁴ 40	¹⁴ 1,428	¹⁴ 31	¹⁴ 535	1978	⁸ 261	⁸ 25.2	⁸ 3.8	18.7
Egypt.....	1979	137	4,435	112	2,593	1978	1,112	(NA)	4.1	45.7
Ethiopia.....	1979	31	1,811	¹⁰ 9	¹³ 371	1978	¹⁵ 69	(NA)	¹⁵ 2.0	95.2
France.....	1979	232	4,651	365	5,008	1978	25,301	(NA)	5.3	.5
German Dem. Rep.	1979	³ ¹¹ 169	2,314	⁶ ¹⁵ 16	509	1978	⁶ 5,020	(NA)	⁶ 5.8	(NA)
Germany, Fed. Rep. of.....	1979	273	5,354	287	4,243	1979	34,699	(NA)	4.6	.5
Ghana.....	1978	¹⁷ 48	¹⁷ 1,295	32	614	1978	¹⁵ 323	(NA)	¹⁵ 2.5	55.2
Greece.....	1978	¹⁴ 36	¹⁴ 923	¹⁰ ¹⁴ 27	¹⁴ 710	1978	⁸ 764	(NA)	⁸ 2.4	12.0
Guatemala.....	1980	¹⁸ 22	803	¹⁴ ¹⁸ 8	¹⁴ 173	1978	73	13.2	1.7	47.3
Hungary.....	1979	73	1,128	⁶ 24	199	1978	1,421	4.2	4.0	.7
India.....	1977	1,354	69,750	¹³ 1,506	¹⁵ 25,441	1977	2,923	9.9	2.9	58.7
Indonesia.....	1978	²⁰ 592	22,025	¹⁰ 171	4,488	1978	954	8.7	2.0	33.1
Iran.....	1977	155	5,021	¹⁹ 95	¹⁹ 2,257	1977	⁵ 4,272	(NA)	⁵ 5.7	53.4
Iraq.....	1979	93	2,609	33	970	1978	⁵ 847	⁵ 13.5	³ 3.7	56.6
Italy.....	1979	⁶ 269	4,518	⁶ 494	5,289	1978	11,959	9.8	4.6	5.2
Ivory Coast.....	1978	22	869	¹⁸ 4	¹⁰ 147	1978	534	22.7	7.2	58.8
Japan.....	1979	³ 452	³ 11,629	³ 541	³ 9,481	1978	55,563	16.1	5.7	.5
Kenya.....	1978	²¹ 90	3,232	²¹ 13	¹⁹ 376	1978	295	15.1	5.5	50.4
Korea, Dem. Peo. Rep. of.....	1976	(NA)	2,562	(NA)	(NA)	(X)	(NA)	(NA)	(NA)	(NA)
Korea, Rep. of.....	1980	119	5,668	¹³ 82	4,285	1979	1,626	17.4	2.7	7.3
Madagascar.....	1978	24	1,311	¹³ 22 5	¹³ 22 3	1977	136	24.3	7.7	(NA)
Malaysia.....	1980	²³ 61	²³ 1,661	²³ 43	²³ 943	1977	708	(NA)	(NA)	27.9
Mali.....	1978	7	293	¹³ 22 3	¹⁰ 21 67	1978	44	30.5	5.3	89.9
Mexico.....	1979	354	14,283	251	4,285	1979	6,103	(NA)	6.2	16.1
Morocco.....	1979	54	2,052	¹³ 34	⁶ 682	1979	⁴ 657	(NA)	⁴ 4.3	74.4
Mozambique.....	1979	¹² 7	1,495	¹² 3	105	(NA)	(NA)	(NA)	(NA)	72.5
Nepal.....	1979	26	1,013	15	449	1979	29	8.3	1.6	82.7
Netherlands.....	1979	57	1,380	¹³ 22 48	1,385	1978	11,054	(NA)	8.5	.5
Nigeria.....	1977	¹² 103	9,485	¹² 17	²⁴ 999	1979	2,574	16.2	4.3	70.1

Footnotes at end of table.

Comparative International Statistics

NO. 1549. EDUCATION AND ILLITERACY, BY COUNTRY—Continued

[See headnote, p. 873]

COUNTRY	Year	1ST LEVEL ¹		2D LEVEL ²		PUBLIC EXPENDITURES FOR EDUCATION				Illiterate population, 1980: Percent of population, 15 years old and over
		Teachers (1,000)	Students enrolled (1,000)	Teachers (1,000)	Students enrolled (1,000)	Year	Total (mil. dol.)	Total public expenditures	Gross national product	
Pakistan.....	1978	155	6,564	126	2,155	1979	419	5.1	2.0	67.5
Peru.....	1978	78	3,126	37	1,090	1979	271	10.5	2.1	18.5
Philippines.....	1979	17 252	8,113	21 80	2,918	1979	578	(NA)	2.0	11.3
Poland.....	1979	205	4,113	143	1,715	1979	5 2,157	5 7.3	5 3.3	.5
Portugal.....	1977	64	1,220	22	500	1977	8 638	8 (NA)	8 3.7	19.0
Romania.....	1979	154	3,122	53	924	1979	1,081	(NA)	8 3.9	4.0
Saudi Arabia.....	1979	47	658	26	327	1979	4,841	10.2	7.8	83.8
South Africa.....	1972	11 120	11 4,653	(NA)	(NA)	1976	1,435	15.0	4.3	20.7
Soviet Union.....	1979	11 2,325	33,576	22 231	10,217	1978	47,431	12.0	9 7.4	.5
Spain.....	1977	203	3,602	16 38	3,502	1976	2,302	16.8	2.1	7.2
Sri Lanka.....	1979	6 17 61	17 1,976	13 17 59	13 1,160	1978	60	5.9	2.2	(NA)
Sudan.....	1979	42	1,428	17	356	1978	361	15.7	6.3	78.4
Sweden.....	1979	21 39	677	21 62	591	1978	7,850	13.1	9.1	.5
Switzerland.....	1979	(NA)	3 506	(NA)	13 27 426	1978	4,470	18.7	5.1	.5
Syria.....	1979	50	1,481	31	589	1978	456	9.8	5.8	45.0
Tanzania.....	1980	28 29 81	28 3,360	18 4	18 79	1979	276	11.3	6.4	52.5
Thailand.....	1977	17 30 241	6,856	19 47	1,147	1979	871	19.3	3.2	14.2
Turkey.....	1978	187	5,571	91	2,075	1978	190	(NA)	3.6	34.8
Uganda.....	1979	29 36	1,224	29 4	29 78	1977	106	(NA)	1.8	52.1
United Kingdom.....	1978	275	5,327	13 327	5,381	1976	14,177	14.3	6.3	.5
Upper Volta.....	1979	3	185	6 13 (Z)	25	1978	26	19.3	3.0	95.4
Venezuela.....	1979	6 82	2,456	6 47	820	1978	1,995	8.2	5.1	17.7
Vietnam.....	1979	217	7,923	24 128	24 3,201	(X)	(NA)	(NA)	(NA)	
Yugoslavia.....	1978	59	1,423	129	2,414	1978	2,977	(NA)	5.3	13.0
Zaire.....	1977	12 73	3,319	(NA)	644	1979	6 363	5 25.8	5 5.0	42.1
Zimbabwe.....	1976	22	883	13 4	81	1979	5 174	5 12.0	5 5.0	29.2

NA Not available. X Not applicable. Z Fewer than 500. ¹ Schools providing basic instruction in the tools of learning; length of this education may vary from 4 to 9 years among countries. Excludes nursery school and kindergarten. ² Middle, secondary, or high schools providing general or specialized instruction more advanced than primary level. ³ Includes special education. ⁴ Ministry of Education expenditure for 1st and 2d level. ⁵ Current expenditures only. ⁶ 1978 data. ⁷ Includes preparatory classes, special education, and correspondence courses. ⁸ Expenditures of the Ministry of Education only. ⁹ Percent of net material product. ¹⁰ 1976 data. ¹¹ Includes general education at the 2d level. ¹² 1970 data. ¹³ General education only. ¹⁴ Includes evening schools. ¹⁵ Excludes expenditures on universities. ¹⁶ Vocational education only. ¹⁷ Covers public education only. ¹⁸ 1979 data. ¹⁹ General education and teacher training. ²⁰ Excludes religious schools. ²¹ 1977 data. ²² 1975 data. ²³ Covers West Malaysia only. ²⁴ 1976 data. ²⁵ Percentage of gross material product. ²⁶ Includes teacher-training, evening, and correspondence courses. Data referring to general education are included with education at the 1st level. ²⁷ Includes adult pupils. ²⁸ Tanzania Mainland only. ²⁹ Covers government-maintained and aided schools only. ³⁰ Includes education preceding the 1st level.

Source: United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Statistical Yearbook* (copyright); and "Estimates and Projections of Illiteracy", CSR E-29.

NO. 1550. HOUSING AND HEALTH, BY COUNTRY

[**Housing:** Data generally intended to refer to conventional (permanent) dwellings only. For some countries, however, data include nonpermanent structures, improvised shelters, and mobile trailers, or, as noted, refer to housing units and to household accommodation (the space occupied by a private household) rather than to dwellings. **Health:** Hospital data refer to hospitals and other medical establishments with beds but exclude old people's homes and establishments for custodial or preventive care only; personnel data refer to persons fully qualified from medical or dental schools and working within the country. See text, p. 864, for general comments concerning the data. For additional qualifications of data for individual countries, see source.]

COUNTRY	DWELLINGS				HEALTH				
	Year	Occupied (1,000)	Percent with 1—		Year	Hospitals			Persons per physician (1,000)
			Piped water ²	Electric lighting		Number	Beds (1,000)	Popula- tion per bed	
United States ³	1970	63,450	4 97.5	(NA)	1977	7,234	1,365.6	159	381,163 .6
Algeria ⁴	1966	1,782	22.7	33.7	1977	(NA)	45.0	(NA)	3,203 5.6
Argentina.....	(NA)	(NA)	(NA)	(NA)	1971	2,864	133.8	176	46,693 .5
Australia ⁵	1976	4,141	4 97.1	94.9	1977	2,369	175.0	80	21,400 .7
Bangladesh.....	(NA)	(NA)	(NA)	(NA)	1977	551	18.4	4,505	6,508 12.7
Belgium	1970	3,223	88.0	100.0	1976	(NA)	76.1	115	6 20,725 .5
Brazil.....	1973	19,402	33.8	55.6	1976	5,426	448.6	245	62,743 (NA)
Burma.....	(NA)	(NA)	(NA)	(NA)	1977	8 488	8 28.5	(NA)	6,153 5.1
Canada ¹⁰	1979	7,558	99.3	100.0	1976	1,389	201.4	114	41,398 .6
Chile.....	1970	11 59.6	(NA)	(NA)	1977	291	37.8	282	6,516 1.6
China: Mainland	(NA)	(NA)	(NA)	(NA)	1978	64,421	1,856.4	503	395,520 2.6
Taiwan ¹¹	1975	2,671	(NA)	(NA)	1979	10,406	36.3	477	13,169 (NA)
Czechoslovakia	1970	4,239	78.1	99.7	1977	557	184.8	81	8 38,093 .4
Egypt.....	(NA)	(NA)	(NA)	(NA)	1976	1,539	79.0	479	14 35,489 (NA)
Ethiopia.....	(NA)	(NA)	(NA)	(NA)	1977	84	8.7	3,314	396 14 4,631 (NA)
France	1975	17,494	15 97.3	18 98.8	1976	3,539	540.8	97	6 86,306 .6
German Dem. Rep.	1971	17 5,933	82.1	100.0	1977	563	178.6	94	31,776 .5
Germany, F.R.	1972	20,966	99.2	99.9	1977	3,416	723.0	65	125,274 .5
Greece.....	1971	2,483	18 65.0	18 88.3	1977	719	58.1	157	20,484 .5
Hungary.....	1973	3,209	44.0	94.3	1977	(NA)	93.5	114	24,535 .4
India ¹²	1971	92,494	(NA)	(NA)	1973	15,265	392.0	1,465	178,000 3.6
Indonesia ²⁰	1971	15 22,471	15 2.2	63.5	1976	1,138	82.9	1,670	8,977 15.4
Iran ³	1976	5,331	41.1	48.3	1974	535	49.2	650	12,430 2.6
Italy.....	1971	15,301	86.1	99.0	1976	1,931	582.0	97	8 114,244 (NA)
Japan.....	1978	32,429	(NA)	(NA)	1977	8,470	1,207.0	94	133,416 .8
Korea, Rep. of.....	1975	4,636	22 35.2	22 49.9	1976	187	25.5	1,406	18,405 .9
Mexico ³	1970	8,286	38.7	58.9	1974	1,575	67.4	863	8 31,571 (NA)
Morocco.....	1971	23 880	23 64.8	23 81.5	1977	132	23.7	771	21 800 (NA)
Netherlands	1977	4,501	(NA)	(NA)	1976	(NA)	138.9	99	23,769 .6
Nigeria.....	(NA)	(NA)	(NA)	(NA)	1977	(NA)	56.0	1,248	4,876 14.3
Pakistan.....	(NA)	(NA)	(NA)	(NA)	1977	(NA)	39.5	1,903	8 19,922 (NA)
Philippines.....	1970	5,738	4 61.1	22.7	1973	813	62.9	639	16,123 2.8
Poland.....	1974	8,548	4 55.1	(NA)	1977	1,149	265.2	131	57,321 15,700
Romania.....	1966	5,250	12.3	48.6	1977	(NA)	199.1	109	29,348 .7
South Africa.....	(NA)	(NA)	(NA)	(NA)	1973	788	156.2	152	12,060 2.0
Soviet Union.....	1965	23 91,000	(NA)	(NA)	1977	28,700	3,140.0	82	24 896,900 (NA)
Spain.....	1970	9,542	77.6	(NA)	1975	1,256	192.4	185	64,597 (NA)
Sri Lanka ³	1971	2,217	4.4	9.0	1976	461	41.1	334	21 2,168 (NA)
Sweden.....	1975	3,320	98.3	(NA)	1976	720	123.0	67	14,650 56.1
Thailand.....	(NA)	(NA)	(NA)	(NA)	1976	349	52.2	823	5,210 8.2
Turkey.....	1970	(NA)	4 35.9	41.1	1977	782	83.2	506	23,769 1.8
United Kingdom ²⁵	1971	16,455	27 53.3	27 76.8	1977	2,242	285.8	(NA)	74,500 .6
Venezuela.....	1971	17 1,844	27 53.3	27 76.8	1977	440	39.7	429	14,565 .9
Vietnam.....	(NA)	(NA)	(NA)	(NA)	1977	9,784	171.5	284	8,956 5.4
Yugoslavia.....	1971	4,935	5 34.0	87.9	1976	439	130.0	186	28,528 .8
Zaire	(NA)	(NA)	(NA)	(NA)	1978	4,390	78.9	352	1,723 16.1

NA Not available. ¹ Computed on basis of occupied dwellings where available; otherwise on total dwellings. ² Inside only.

³ Housing data refer to housing units. ⁴ Either inside or outside. ⁵ Housing data exclude semipermanent dwellings.

⁶ Stomatologists and odontologists included with physicians. ⁷ Includes nonuniversity level dentists. ⁸ Personnel in hospitals only. ⁹ Government establishments only. ¹⁰ Excludes dwellings in Yukon and Northwest Territories and those on Indian reserves. ¹¹ Data refer to households. ¹² Source: U.S. Bureau of the Census. Data from Republic of China, *Statistical Yearbook of the Republic of China, 1980*. ¹³ Registered personnel. Data for Taiwan include Chinese herb doctors. ¹⁴ Number of registered persons. ¹⁵ Housing data refer to households in housing units. ¹⁶ 1968 data. ¹⁷ Data refer to living quarters. ¹⁸ Households in dwellings. ¹⁹ Housing data include Indian-held part of Jammu and Kashmir. ²⁰ Housing data exclude rural population of Western Iran. ²¹ Personnel in government service. ²² 1970 data. ²³ Urban areas only. ²⁴ Includes dentists. ²⁵ England and Wales, except as noted. ²⁶ Excludes Wales. ²⁷ Housing units, excluding units not intended for habitation but in use for that purpose.

Source: Except as noted, Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook*. (Copyright.)

NO. 1551. GROSS DOMESTIC PRODUCT—PERCENT DISTRIBUTION BY TYPE OF EXPENDITURE AND KIND OF ECONOMIC ACTIVITY

[In percent. In general, "Agriculture" includes forestry, hunting, and fishing; "Industrial activity" covers mining, manufacturing, electricity, gas and water and "Other" comprises financing, insurance, real estate, and business services; community, social, and personal services; and public administration and defense. Data by kind of economic activity do not add to 100 percent for some countries because import duties are excluded in the reported industrial groups. Unless otherwise stated, data are calculated on the former System of National Accounts (see *Yearbook of National Account Statistics*)

COUNTRY	YEAR	TYPE OF EXPENDITURE			KIND OF ECONOMIC ACTIVITY					OTHER			
		Final consumption expenditure Govt.	Private	Increase in stocks ¹	Gross fixed capital formation	Exports	Less Imports	Agriculture	Industrial activity	Construction	Wholesale and retail trade	Transport and communications	
United States ²	1976	18	64	1	18	8	10	3	29	5	18	7	37
Afghanistan	1978 ^a	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	53	20	4	7	1	1
Argentina	1976	14	46	1	46	33	40	8	39	13	11	7	15
Argentina	1975	10	71	2	21	7	10	12	36	4	10	6	23
Australia ²	1975 ^a	17	60	2	23	15	16	5	33	9	13	7	31
Austria ²	1978	18	55	2	26	35	36	5	33	9	16	5	24
Bangladesh	1976 ^a e	8	85	15	6	14	52	7	6	11	7	7	17
Belgium	1977	17	62	2	21	47	48	2	30	5	12	8	34
Bolivia ²	1975 ^a	11	70	6	18	21	28	17	25	5	19	8	26
Bolivia ²	1978	10	69	22	7	8	9	26	5	13	5	5	25
Bulgaria	1977	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	18	51	9	10	9	3
Burma	1978 ^a	90	57	2	12	6	8	46	11	1	29	3	10
Canada	1978	20	57	2	22	26	26	4	25	6	10	8	36
Chile	1977	12	80	9	17	19	10	27	2	29	4	28	28
Colombia	1977	(NA)	73	18	16	13	30	4	23	4	18	6	19
Czechoslovakia	1978	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	9	60	11	15	3	(2)
Denmark ²	1977 ^a	24	56	2	23	29	33	6	10	10	15	8	26
Dominican Republic	1978	6	80	2	21	18	24	19	19	7	18	7	30
Ecuador	1978	14	60	2	24	24	25	20	29	6	13	5	22
Egypt	1977	21	61	4	24	20	31	24	23	4	11	7	20
Ethiopia	1976 ^a	14	77	10	13	14	46	11	4	9	5	18	18
France ²	1978 ^a	15	61	1	21	21	20	5	30	7	13	5	31
German Dem. Rep. of	1978	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	10	62	15	15	5	3
Germany, Fed. Rep. of	1978	20	55	1	22	25	23	3	42	7	10	6	32
Ghana ²	1976	12	80	-1	10	16	17	51	15	4	13	4	11
Greece	1978	16	65	4	24	17	25	15	19	8	11	7	27
Guatemala	1978 ^a a	7	76	2	20	22	26	14	2	32	4	5	21
Haiti ²	1978 ^a	92	(NA)	(NA)	(NA)	15	21	28	15	5	10	3	26
Hungary	1978	(NA)	68	1	(NA)	(NA)	(NA)	15	47	12	18	6	1
India ²	1977 ^a	11	67	20	(NA)	(NA)	(NA)	36	17	5	11	5	14
Indonesia	1978	10	21	20	(NA)	(NA)	(NA)	19	31	28	(15)	5	31
Iran	1976 ^a	21	38	(NA)	30	27	58	45	9	5	5	3	23
Iraq	1975	51	64	9	1	20	29	7	63	8	35	6	27
Italy ²	1977	14	64	16	30	38	40	8	27	13	14	7	7
Ivory Coast ²	1978	10	58	1	30	11	5	9	52	8	14	7	7
Ivory Coast ²	1978	10	58	1	30	11	5	9	52	8	14	7	7

Gross Domestic Product

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Kampuchea	1966	17	70	3	16	13	41	32	35	33	36	32	34	33	32	30	30	30	28	4	23
Kangaroo 2	1977	17	58	(2)	21	21	(2)	21	21	20	23	23	26	23	26	23	22	22	14	6	17
Korea, Republic of	1978	11	62	(2)	21	23	(2)	21	23	23	25	25	26	25	26	23	23	23	14	5	13
Madagascar	1973	17	73	4	4	19	25	34	49	11	49	49	49	49	49	49	49	49	14	14	14
Malawi	1973	13	74	4	4	19	25	34	49	11	49	49	49	49	49	49	49	49	14	14	14
Malaysia 2	1977	17	52	1	1	22	11	11	11	11	11	11	11	11	11	11	11	11	14	14	14
Mexico 2	1978	11	64	3	3	22	11	11	11	11	11	11	11	11	11	11	11	11	14	14	14
Morocco	1975	12	22	-2	-2	26	18	18	18	18	18	18	18	18	18	18	18	18	14	14	14
Nepal	1977	16	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	14	14	14
Netherlands 2	1978	11	59	18	18	47	47	47	47	5	5	5	5	5	5	5	5	5	14	14	14
Nigeria	1975	14	31	31	35	35	32	32	32	30	30	30	30	30	30	30	30	30	14	14	14
Pakistan	1978	4	10	84	1	16	11	11	11	22	22	22	22	22	22	22	22	22	12	12	12
Peru	1978	12	71	12	14	21	18	18	18	12	12	12	12	12	12	12	12	12	13	13	13
Philippines	1978	10	65	5	5	24	19	19	19	24	24	24	24	24	24	24	24	24	14	14	14
Poland	1978	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	14	14	14
Portugal	1976	14	81	2	2	17	17	17	17	30	30	30	30	30	30	30	30	30	13	13	13
Romania	1978	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	13	13	13
Saudi Arabia 2	1977	21	23	23	23	30	62	62	62	37	37	37	37	37	37	37	37	37	13	13	13
South Africa 2 18	1978	14	56	-1	-1	25	33	33	33	25	25	25	25	25	25	25	25	25	13	13	13
Soviet Union	1978	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	13	13	13
Spain 2	1978	12	68	21	15	14	9	9	9	28	28	28	28	28	28	28	28	28	14	14	14
Sri Lanka 2	1978	12	69	(2)	23	37	41	41	41	34	34	34	34	34	34	34	34	34	14	14	14
Sudan 2	1975	13	73	4	4	20	20	20	20	34	34	34	34	34	34	34	34	34	14	14	14
Sweden 2	1978	29	53	-2	-2	19	29	29	29	28	28	28	28	28	28	28	28	28	14	14	14
Switzerland	1978	13	63	(2)	(2)	21	35	35	35	33	33	33	33	33	33	33	33	33	14	14	14
Syria	1978	21	65	(NA)	(NA)	32	18	18	18	36	36	36	36	36	36	36	36	36	14	14	14
Thailand	1978	13	65	3	3	19	19	19	19	27	27	27	27	27	27	27	27	27	14	14	14
Turkey 2	1978	14	69	1	1	18	9	9	9	11	25	25	25	25	25	25	25	25	14	14	14
Uganda 2	1971	88	59	1	1	16	19	19	19	23	23	23	23	23	23	23	23	23	14	14	14
United Kingdom	1978	20	89	89	4	22	22	22	22	42	42	42	42	42	42	42	42	42	14	14	14
Upper Volta 2	1978	13	55	1	1	40	26	26	26	37	37	37	37	37	37	37	37	37	14	14	14
Venezuela 2	1978	15	97	2	2	10	10	10	10	32	32	32	32	32	32	32	32	32	14	14	14
Yemen Arab Rep. 2	1973	10	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	14	14	14
Yugoslavia	1977	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	14	14	14
Zaire 2	1975	25	61	61	61	26	28	28	28	40	40	40	40	40	40	40	40	40	14	14	14
Zambia 2	1977	27	40	40	40	33	39	39	39	22	22	22	22	22	22	22	22	22	14	14	14
Zimbabwe 2	1977	17	62	3	3	17	29	29	29	29	29	29	29	29	29	29	29	29	14	14	14

¹ Minus sign (-) denotes decrease. ² Less than .5 percent. ³ Year beginning March 21. ⁴ Year beginning July 1. ⁵ NA Not available. ⁶ Economic activity data for 1976. ⁷ Year ending Sept. 30. ⁸ Gas and water included in "Other". ⁹ Economic activity data for 1970. ¹⁰ Transportation. ¹¹ Industrial activity. ¹² Economic activity data for 1977. ¹³ Economic activity data for 1963. ¹⁴ Year beginning April 1. ¹⁵ Wholesales and retail trade included in "Other". ¹⁶ Year ending July 15. ¹⁷ Economic activity data for 1975. ¹⁸ Includes Namibia.

Source: Statistical Office of the United Nations, New York, N.Y., Statistical Yearbook (Copyright)

NO. 1552. GROSS NATIONAL PRODUCT, IN CURRENT AND CONSTANT (1977) DOLLARS AND PER CAPITA: 1970 TO 1978

[In billions of dollars, except as indicated. For explanation of conversion to U.S. dollars, see headnote, table 1570. For explanation of gross national product (GNP), see text, p. 417.]

COUNTRY	CURRENT DOLLARS						CONSTANT (1977) DOLLARS				Per capita (dol.)		
	1970	1974	1975	1976	1977	1978	1970	1975	1978				
	1970	1975	1978							1970	1975	1978	
United States.....	985.8	1,419.8	1,537.0	1,709.4	1,896.1	2,117.7	1,522.7	1,711.4	1,971.5	7,428	7,987	9,002	
Afghanistan.....	1.6	2.2	2.6	2.8	3.1	3.5	2.4	2.8	3.3	198	210	226	
Algeria.....	8.7	13.2	15.0	17.0	19.2	21.9	13.4	16.7	20.4	969	1,042	1,157	
Argentina.....	25.9	40.1	43.3	44.7	50.3	51.9	40.1	48.2	49.4	1,683	1,891	1,804	
Austria.....	23.2	36.1	38.9	43.4	47.5	51.8	35.8	43.3	48.2	4,833	5,772	6,430	
Bangladesh.....	(X)	4.3	4.9	5.8	6.2	7.2	(X)	5.5	6.7	(X)	69	78	
Belgium.....	40.2	62.7	67.3	75.0	80.3	88.1	62.0	74.9	82.0	6,396	7,648	8,371	
Brazil.....	55.5	112.2	128.2	147.8	163.5	186.8	85.7	143.9	173.9	895	1,325	1,493	
Bulgaria.....	10.8	16.0	19.0	20.7	21.7	24.0	16.7	21.1	22.3	1,970	2,425	2,533	
Burma.....	2.1	2.9	3.4	3.7	4.2	4.8	3.2	3.7	4.4	119	122	135	
Canada.....	91.8	146.5	162.6	180.8	196.1	217.7	141.9	181.1	202.6	6,660	7,976	8,623	
Chile.....	8.5	12.0	11.6	12.6	14.6	16.5	13.2	12.9	15.4	1,402	1,263	1,438	
China:													
Mainland.....	157.7	262.5	308.0	323.6	370.2	444.2	243.6	343.0	413.5	287	359	412	
Taiwan.....	7.3	13.1	14.6	17.2	19.7	23.8	11.3	16.3	22.2	775	1,013	1,297	
Colombia.....	8.3	13.8	15.6	17.2	19.1	22.2	12.8	17.4	20.6	597	721	803	
Cuba.....	4.7	6.0	6.3	(NA)	(NA)	7.2	7.0	(NA)	837	756	(NA)		
Czechoslovakia.....	33.0	48.0	54.2	57.8	64.1	69.8	50.9	60.3	65.0	3,582	4,074	4,303	
Egypt.....	5.0	7.0	8.5	11.0	13.4	16.0	7.8	9.5	14.9	235	257	373	
Ethiopia.....	1.7	2.5	2.8	3.0	3.3	3.7	2.7	3.1	3.4	105	107	109	
France.....	188.7	289.5	317.9	350.3	382.1	422.9	291.4	354.0	393.7	5,736	6,717	7,385	
German Dem. Rep.	37.4	54.3	61.7	66.4	72.7	80.0	57.8	68.7	74.5	3,381	4,067	4,432	
Germany, Fed. Rep.	290.1	414.3	445.0	494.8	537.1	596.4	448.1	495.5	555.2	7,381	8,017	9,056	
Ghana.....	8.7	12.8	13.4	13.3	14.3	15.5	13.5	14.9	14.5	1,529	1,747	1,269	
Greece.....	12.4	19.0	22.0	24.6	27.0	30.8	19.1	24.5	28.7	2,173	2,722	3,049	
Hungary.....	15.5	22.2	24.9	28.2	29.4	32.5	24.0	27.7	30.2	2,326	2,641	2,823	
India.....	52.4	70.2	84.0	89.8	101.5	114.1	81.0	93.5	105.2	146	151	162	
Indonesia.....	17.2	29.5	34.0	39.1	44.4	50.8	26.5	37.9	47.3	215	276	326	
Iran.....	26.1	53.4	60.3	70.5	75.3	74.4	40.4	67.1	69.3	1,396	2,018	1,898	
Iraq.....	6.4	10.8	14.7	16.7	19.2	23.6	9.9	16.4	22.0	1,040	1,460	1,757	
Italy.....	105.2	154.5	163.0	181.5	195.4	214.1	162.4	181.5	199.3	3,024	3,252	3,515	
Japan.....	312.1	498.4	554.0	620.2	692.0	785.0	482.2	616.9	730.8	4,622	5,527	6,360	
Kampuchea.....	.7	.6	.6	(NA)	(NA)	1.0	.7	(NA)	144	90	(NA)		
Korea.....	1.8	3.0	3.4	3.7	4.3	4.8	3.0	3.8	4.4	265	278	292	
Korea, Dem. Peo. Rep.	3.7	7.1	8.4	8.5	9.0	10.4	5.7	9.3	9.7	398	583	534	
Korea, Rep. of.....	11.6	20.9	24.5	29.4	34.4	41.6	17.9	27.3	38.7	543	742	1,005	
Madagascar.....	1.1	1.4	1.6	1.8	1.8	1.9	1.8	1.8	1.8	257	230	223	
Malaysia.....	4.8	8.5	9.6	11.1	12.6	14.6	7.5	10.6	13.6	686	858	1,020	
Mexico.....	34.4	54.7	62.1	66.1	72.2	80.8	53.1	69.1	75.2	1,060	1,177	1,172	
Morocco.....	4.4	6.9	8.3	9.7	10.8	12.2	6.8	9.2	11.4	425	505	573	
Mozambique.....	(X)	(X)	1.8	1.9	2.0	2.1	(X)	2.0	1.9	(X)	224	195	
Nepal.....	.8	1.0	1.2	1.3	1.4	1.5	1.2	1.3	1.4	99	98	100	
Netherlands.....	53.3	79.9	86.0	94.8	102.8	112.7	82.4	95.7	104.9	6,337	6,988	7,550	
Nigeria.....	15.6	27.4	30.1	35.3	39.5	44.5	24.1	33.5	41.4	428	510	573	
Pakistan.....	7.8	11.1	13.0	14.1	15.2	17.7	12.0	14.5	16.5	182	193	201	
Peru.....	6.2	9.9	11.3	11.9	12.1	13.1	9.6	12.5	12.2	708	808	731	
Philippines.....	8.6	14.2	16.4	18.3	20.6	23.5	13.3	18.3	21.9	355	424	470	
Poland.....	43.2	71.8	82.4	90.2	98.2	109.6	66.8	91.7	102.0	2,054	2,697	2,923	
Portugal.....	8.3	13.6	14.0	15.4	17.2	19.1	12.8	15.5	17.8	1,420	1,653	1,816	
Romania.....	24.4	41.0	46.9	55.7	61.1	69.4	37.7	52.3	64.6	1,856	2,464	2,951	
South Africa.....	19.3	29.9	33.5	35.8	37.9	41.3	29.8	37.3	38.4	1,325	1,482	1,412	
Soviet Union.....	553.2	835.9	943.5	1,029.9	1,123.4	1,256.5	854.5	1,050.5	1,169.7	3,516	4,135	4,481	
Spain.....	54.6	90.3	99.3	106.3	115.1	125.6	84.3	110.5	116.9	2,495	3,121	3,185	
Sri Lanka.....	1.2	1.7	2.0	2.1	2.3	2.8	1.9	2.2	2.6	154	153	181	
Sudan.....	2.7	4.4	4.9	5.3	5.9	5.8	4.2	5.5	5.4	308	346	305	
Sweden.....	46.7	64.5	71.1	75.6	77.8	85.4	72.1	79.2	79.5	9,012	9,657	9,575	
Switzerland.....	38.7	55.2	55.7	58.0	63.1	68.5	59.8	62.0	63.8	9,490	9,687	10,121	
Syria.....	2.4	4.5	5.6	6.3	6.7	7.5	3.7	6.2	7.0	592	840	851	
Tanzania.....	1.5	2.4	2.7	3.0	3.4	3.8	2.4	3.0	3.6	179	183	212	
Thailand.....	7.5	12.4	14.6	16.6	18.7	21.8	11.6	16.2	20.3	313	383	448	
Turkey.....	19.3	32.8	38.8	43.9	48.3	53.7	29.8	43.2	50.0	833	1,063	1,144	
Uganda.....	2.3	3.1	3.2	3.4	4.0	4.4	3.6	3.6	4.1	367	312	318	
United Kingdom.....	140.1	197.2	210.8	230.3	245.8	271.4	216.5	234.7	252.7	3,908	4,190	4,519	
Venezuela.....	15.0	23.6	27.9	31.7	35.8	41.0	23.2	31.0	38.2	2,170	2,449	2,710	
Vietnam ¹	1.4	1.3	1.3	7.2	(NA)	(NA)	2.2	1.4	(NA)	98	58	(NA)	
Yugoslavia.....	21.1	33.9	38.6	42.3	48.2	55.3	32.6	43.0	51.5	1,597	2,008	2,340	
Zaire.....	2.9	4.5	4.7	4.7	4.8	5.0	4.5	5.2	4.7	206	208	172	

NA Not available. X Not applicable. ¹ Beginning 1976, includes former Republic of South Vietnam.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual. Data from International Bank for Reconstruction and Development and U.S. Central Intelligence Agency.

Gross National Product and Foreign Trade

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NO. 1553. ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD)—GROSS NATIONAL PRODUCT, 1975 TO 1980, AND CHANGE, 1975–1980 AND 1979–1980

COUNTRY	GROSS NATIONAL PRODUCT (GNP)					GNP PER CAPITA					Inflation rate, ^a 1979– 1980 (percent)	
	Total in constant (1980) dollars (bil.) ^b		Annual percent change ^c			In constant (1980) dollars ^b		Annual percent change ^c				
	1975	1979	1980	1975– 1980	1979– 1980	1975	1979	1980	1975– 1980	1979– 1980		
United States.....	2,188.0	2,631.4	2,626.1	3.7	-.2	10,125	11,694	11,536	2.6	-1.3	9.0	
OECD Europe ^d	3,022.3	3,442.0	3,490.6	2.9	1.4	7,879	8,775	8,644	2.3	.6	12.4	
Belgium.....	104.3	116.7	117.9	2.5	1.0	10,639	11,851	11,957	2.3	.9	4.9	
Luxembourg ^e	3.9	4.4	4.4	2.4	.4	10,778	12,083	12,139	2.4	.5	5.0	
Denmark.....	57.1	65.8	65.1	2.7	-.1	11,283	12,842	12,715	2.4	-1.0	8.5	
France.....	557.9	645.0	653.4	3.2	1.3	10,567	12,081	12,165	2.9	.9	11.5	
Germany Fed. Rep.....	690.7	808.6	823.2	3.6	1.8	11,171	13,183	13,372	3.7	1.4	5.1	
Ireland.....	14.5	17.0	17.3	3.8	1.0	4,560	5,048	5,059	2.1	.2	15.7	
Italy.....	326.2	379.2	384.4	3.9	4.0	5,843	6,664	6,914	3.4	3.8	20.4	
Netherlands.....	140.2	158.3	159.6	2.6	.6	10,269	11,265	11,287	1.9	(2)	5.9	
United Kingdom.....	480.4	528.4	519.1	1.6	-1.8	8,593	9,457	9,288	1.6	-1.8	18.8	
Austria.....	61.9	72.8	75.2	4.0	3.6	8,234	9,666	10,013	4.0	3.6	4.2	
Finland.....	42.1	46.5	48.8	3.0	4.9	8,943	9,173	10,209	2.7	4.5	10.4	
Greece.....	33.7	41.1	41.8	4.4	1.7	3,727	4,349	4,354	3.2	-.1	18.4	
Iceland.....	2.8	2.7	2.8	4.0	2.5	10,272	11,652	11,957	3.1	2.6	53.0	
Norway.....	44.0	53.2	55.2	4.6	3.8	9,978	13,086	13,496	4.2	3.3	15.4	
Portugal.....	18.5	22.3	23.6	5.0	5.8	1,957	2,267	2,377	4.0	4.9	14.4	
Spain.....	189.9	208.1	211.6	2.3	1.7	5,306	5,596	5,653	1.3	1.0	13.5	
Sweden.....	114.3	119.6	121.3	1.2	1.4	13,960	14,431	14,597	.9	1.2	11.6	
Switzerland.....	98.1	99.4	103.1	1.4	3.7	14,984	15,632	16,185	1.5	3.5	1.2	
Turkey.....	45.3	53.1	52.8	3.1	-.6	1,130	1,200	1,164	.6	-3.0	84.9	
Australia.....	121.3	134.6	137.4	2.5	2.1	8,805	9,832	9,398	1.3	.7	11.1	
Canada.....	213.0	246.1	246.3	2.9	1	9,373	10,386	10,288	1.9	-.9	10.5	
Japan.....	812.5	998.0	1,039.9	5.1	4.2	7,282	8,613	8,905	4.2	3.4	3.2	
New Zealand.....	23.1	23.4	24.0	.9	2.7	7,511	7,539	7,742	.6	2.7	17.5	

^Z Less than .05 percent. ¹ National currency values converted into dollars by the average 1980 Par Rate/Market Rate, as published by the International Monetary Fund, Washington, D.C. ² Minus sign (−) denotes decrease. ³ GNP or GDP (Gross Domestic Product) implicit price deflators; totals weighted by 1979 (base year) GNP data, in 1979 prices. ⁴ See text, p. 864. ⁵ Gross domestic product.

Source: U.S. Department of State, Bureau of Intelligence and Research, *Economic Growth of OECD Countries, 1970–1980*, Report No. 89AR (Revised), 1981, and unpublished data.

No. 1554. ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD)—SELECTED DATA: 1975 TO 1980

[Base for Index, 1975=100. Imports c.i.f., except as noted; exports f.o.b. See text, pp. 863 and 864]

COUNTRY	INDUSTRIAL PRODUCTION INDEX				AVERAGE MONTHLY IMPORTS (mil. dol.)				AVERAGE MONTHLY EXPORTS (mil. dol.)			
	1977	1978	1979	1980	1975	1976	1979	1980	1975	1978	1979	1980
United States.....	117	124	129	125	1,8078	14,441	17,261	20,100	8,971	11,972	15,150	18,392
OECD.....	113	118	124	123	48,948	73,886	95,015	113,898	47,317	71,487	88,007	103,436
Australia.....	104	105	112	114	1,832	1,168	1,378	1,684	992	1,197	1,553	1,839
Austria.....	111	113	120	125	783	1,331	1,682	2,021	627	1,011	1,286	1,447
Belgium.....	109	111	116	116	2,559	2,4030	2,5029	2,5973	2,401	3,734	4,685	5,375
Canada.....	108	112	118	116	2,830	3,630	4,460	4,916	2,692	3,846	4,661	5,412
Denmark.....	(NA)	(NA)	(NA)	(NA)	861	1,230	1,538	1,610	726	987	1,218	1,395
Finland.....	102	107	118	127	635	654	942	1,301	459	713	929	1,179
France.....	112	114	119	118	4,520	6,807	8,906	11,238	4,351	6,372	8,165	9,276
Germany, Fed. Rep.....	110	113	119	119	6,184	10,056	13,148	15,488	7,502	11,841	14,293	15,974
Greece.....	113	121	129	(NA)	443	630	810	(NA)	191	278	324	(NA)
Iceland.....	(NA)	(NA)	(NA)	(NA)	41	57	69	83	26	54	66	77
Ireland.....	119	126	136	134	317	594	822	929	268	474	597	709
Italy.....	112	114	121	126	3,197	4,697	6,484	8,309	2,902	4,663	6,010	6,492
Japan.....	116	123	133	142	4,822	6,612	9,219	11,759	4,646	8,129	8,567	10,799
Luxembourg.....	104	108	111	108	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Netherlands.....	108	105	112	112	2,929	4,406	5,601	6,406	2,870	4,168	5,302	6,159
Norway.....	105	116	124	132	805	952	1,144	1,413	600	837	1,121	1,541
Portugal.....	117	125	134	(NA)	319	431	545	(NA)	162	203	290	(NA)
Spain.....	119	115	115	(NA)	1,355	1,556	2,115	2,848	640	1,089	1,516	1,735
Sweden.....	94	93	99	100	1,504	1,708	2,378	2,785	1,451	1,810	2,294	2,577
Switzerland.....	106	106	109	114	1,109	1,971	2,442	3,028	1,080	1,947	2,206	2,468
Turkey.....	(NA)	(NA)	(NA)	(NA)	387	379	474	522	117	190	206	229
United Kingdom.....	108	111	115	107	4,438	6,549	8,569	10,013	3,646	5,973	7,568	9,588
Yugoslavia.....	(NA)	(NA)	(NA)	(NA)	641	815	1,030	1,169	339	463	520	697

NA Not available. ¹ Imports f.o.b. ² Luxembourg included with Belgium.

Source: Organisation for Economic Co-operation and Development, Paris, France, *Main Economic Indicators*, monthly, and *Statistics of Foreign Trade* (series A), May 1981.

**No. 1555. GROSS DOMESTIC PRODUCT OF SELECTED COUNTRIES AS PERCENT OF UNITED STATES:
1950 TO 1979**

[Comparisons are based on constant (1975) dollar data converted to U.S. dollars using 1975 exchange rates. See text, p. 417]

COUNTRY	GROSS DOMESTIC PRODUCT								PER CAPITA GROSS DOMESTIC PRODUCT							
	1950	1960	1965	1970	1975	1977	1978	1979	1950	1960	1965	1970	1975	1977	1978	1979
United States.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Canada.....	7	8	9	9	11	10	10	10	80	84	86	91	101	98	97	97
France.....	15	17	18	20	22	22	21	22	55	69	73	83	90	88	88	89
Germany, F.R.....	16	26	26	28	28	27	27	27	52	84	87	94	95	95	95	98
Italy.....	18	10	11	13	13	12	12	12	27	38	40	48	48	47	46	48
Japan.....	20	15	19	29	33	33	34	35	18	28	37	57	63	63	64	66
United Kingdom.....	18	17	16	15	15	14	14	14	53	58	56	56	58	55	55	55

¹ Based on 1951 data. ² Based on 1952 data.

Source: U.S. Bureau of Economic Analysis. Adapted from *Long Term Economic Growth, 1860-1970*, using data from the Organization for Economic Cooperation and Development.

No. 1556. TAX REVENUES—SELECTED COUNTRIES: 1970 TO 1979

[Covers national and local taxes and social security contributions. GDP=Gross domestic product; see text, p. 417]

COUNTRY	TAX REVENUES (bil. dol.)				AS PERCENT OF GDP				TAX REVENUES PER CAPITA (dol.)			
	1970	1975	1978	1979	1970	1975	1978	1979	1970	1975	1978	1979
United States.....	287.7	436.3	621.0	698.8	30.1	30.2	30.2	31.3	1,404	2,043	2,839	3,168
Australia.....	9.5	27.7	33.5	37.9	25.5	29.1	28.9	29.8	763	2,014	2,351	2,631
Austria.....	5.2	14.8	24.1	28.3	35.7	38.5	41.8	41.4	698	1,934	3,205	3,770
Belgium.....	9.1	25.8	42.7	49.6	36.0	41.1	44.1	44.7	948	2,535	4,341	5,033
Canada.....	27.1	56.6	67.1	73.0	32.0	32.9	31.6	31.0	1,268	2,481	2,856	3,080
Denmark.....	6.4	15.4	24.4	(NA)	40.3	40.3	42.8	(NA)	1,297	3,021	4,772	(NA)
Finland.....	3.4	10.0	12.4	14.5	32.2	36.2	36.4	35.0	750	2,125	2,604	3,045
France.....	50.4	126.8	187.4	235.2	35.6	37.4	39.6	41.2	992	2,407	3,517	4,397
Germany, F.R.....	61.0	149.9	241.6	285.2	32.8	35.7	37.6	37.3	1,006	2,425	3,940	4,649
Greece.....	2.4	5.0	(NA)	(NA)	24.0	24.2	(NA)	(NA)	272	557	(NA)	(NA)
Italy.....	28.0	55.7	81.9	97.4	27.9	29.0	31.3	30.1	521	997	1,444	1,712
Japan.....	41.4	108.1	239.0	251.6	19.7	21.1	24.3	24.8	401	965	2,080	2,171
Netherlands.....	12.6	37.9	61.2	70.7	39.9	45.8	47.0	47.4	970	2,778	4,390	5,038
New Zealand.....	1.7	4.2	5.6	6.7	26.4	30.0	30.8	31.2	615	1,342	1,789	2,132
Norway.....	4.4	12.8	18.9	21.5	39.2	44.8	48.5	46.1	1,130	3,182	4,658	5,285
Portugal.....	1.4	3.7	4.7	5.3	23.2	24.8	26.5	25.8	159	388	482	535
Spain.....	6.4	20.5	33.5	45.9	17.2	19.6	22.7	23.3	189	579	911	1,236
Sweden.....	13.3	32.0	46.5	53.5	40.9	44.2	51.4	50.3	1,665	3,886	5,621	6,445
Switzerland.....	5.0	16.1	26.8	29.6	23.8	29.6	31.6	31.1	799	2,510	4,227	4,658
United Kingdom.....	46.0	84.1	106.7	136.4	37.5	36.1	34.0	34.0	824	1,485	1,909	2,437

NA Not available.

Source: Organisation for Economic Co-operation and Development, Paris, France, *Revenue Statistics of OECD Member Countries*, annual.

No. 1557. CONSUMER PRICE INDEXES FOR SELECTED ITEMS—SELECTED COUNTRIES: 1975 AND 1980

[For percent increases in total consumer prices, see table 782. For explanation of average annual percent change, see Guide to Tabular Presentation]

COUNTRY	INDEXES (1967=100)								AVG. ANNUAL PERCENT CHANGE, 1975-1980			
	Total		Food ¹		Clothing		Housing ²					
	1975	1980	1975	1980	1975	1980	1975	1980	1975	1980	1975	1980
United States.....	161.2	246.8	175.4	254.6	142.3	178.4	164.5	263.3	150.6	249.7	7.7	8.9
Australia.....	178.7	295.5	165.8	291.8	184.1	301.4	199.6	321.8	(NA)	12.0	10.4	10.0
Austria.....	157.2	203.3	149.4	166.5	141.7	178.3	174.4	233.2	161.4	216.6	4.7	6.0
Canada.....	160.1	243.5	180.1	289.9	136.8	195.5	160.7	242.9	150.3	233.1	10.0	7.4
France.....	178.9	294.2	182.6	294.8	166.2	267.0	180.6	309.4	192.3	337.4	10.0	9.9
Germany, F.R.....	144.1	175.8	135.0	159.0	143.2	178.9	153.7	181.7	151.4	183.9	3.3	4.6
Italy.....	186.9	403.2	185.2	382.3	194.6	437.3	173.6	385.6	207.5	480.9	15.6	17.3
Japan.....	204.5	281.8	220.9	288.2	217.5	288.7	174.3	226.7	170.2	297.5	5.5	5.8
Netherlands.....	175.3	237.4	155.9	197.8	190.5	256.5	173.9	244.2	167.8	223.9	4.9	6.1
Sweden.....	164.3	270.6	169.5	282.4	141.9	197.2	177.0	314.9	(NA)	10.7	6.8	12.2
United Kingdom.....	216.5	423.6	243.8	468.0	187.5	306.4	208.7	421.5	224.4	450.3	13.9	15.1

NA Not available. ¹ Restaurant meals, alcohol, and tobacco are included for some countries; excluded for others. ² Includes shelter, utilities, and household furnishings and operations. However, actual coverage and measurement methods vary significantly from country to country.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, annual.

NO. 1558. WHOLESALE AND CONSUMER PRICES AND MONEY SUPPLY—INDEXES AND ANNUAL PERCENT CHANGES, BY COUNTRY

[1970=100, except as noted. See text, p. 864, for general comments concerning the data. Money supply as shown here is composed of currency plus demand deposits (M-1). For additional qualifications of the data for individual countries, see source. Minus sign (--) denotes decrease]

COUNTRY	Wholesale prices, ¹ 1978	CONSUMER PRICES							MONEY SUPPLY				
		1978 ²		Avg. annual percent change					Avg. annual percent change				
		Total	Food	1970-75	1975-80	1978-79	1979-80	1970-75	1975-80	1978-79	1979-80		
United States.....	190	168	180	6.8	8.9	11.3	13.5	6.0	6.4	5.8	6.7		
Algeria.....	(NA)	184	223	5.2	(NA)	11.5	(NA)	20.4	(NA)	21.9	(NA)		
Argentina.....	47,729	49,729	11,860	72.2	211.0	159.5	100.8	62.6	191.9	125.4	114.1		
Australia.....	3 213	224	211	10.3	10.6	9.1	10.2	11.0	12.4	16.3	14.6		
Austria.....	4 104	167	159	7.3	5.3	3.7	6.3	11.2	4.9	-6.2	7.4		
Bangladesh.....	5 6 452	7 315	7 302	33.8	8.0	12.7	13.2	(NA)	17.9	17.0	18.7		
Belgium.....	148	183	172	8.4	6.4	4.4	6.7	10.7	5.7	3.8	-1		
Bolivia.....	(NA)	318	348	22.5	18.0	19.7	47.2	26.4	23.4	13.8	38.9		
Brazil.....	742	7 494	7 522	21.2	52.0	52.7	82.8	35.4	48.8	51.6	75.1		
Burma.....	(NA)	258	269	18.4	4.3	5.6	6	17.7	(NA)	(NA)	(NA)		
Canada.....	213	180	210	7.3	8.8	9.2	10.1	9.8	6.3	4.9	4.6		
Chile.....	687,929	232,773	280,924	266.1	82.5	33.4	35.1	203.0	115.3	60.6	62.6		
Colombia.....	527	428	508	17.9	24.5	24.6	26.5	19.2	28.8	25.0	24.7		
Denmark.....	197	208	222	9.3	10.4	9.6	12.3	9.7	10.7	13.4	5.9		
Dominican Republic.....	185	8 9 202	8 179	11.0	(NA)	9.2	(NA)	18.5	10.5	11.6	17.3		
Ecuador.....	(NA)	263	312	13.6	11.7	10.2	13.1	27.0	22.4	20.3	28.2		
Egypt.....	185	184	218	6.0	(NA)	9.9	(NA)	17.1	(NA)	23.9	(NA)		
El Salvador.....	235	205	198	8.9	13.1	15.9	17.4	15.7	19.6	12.0	25.5		
Ethiopia.....	165	10 204	218	3.7	16.0	16.7	4.5	14.4	10.3	13.1	3.1		
Finland.....	11 12 126	244	258	11.8	10.8	7.5	11.6	20.7	(NA)	16.5	(NA)		
France.....	5 176	200	212	8.9	10.4	10.7	13.3	11.9	10.8	12.3	8.0		
Germany, Fed. Rep. of.....	5 146	150	145	6.1	4.1	4.1	5.5	10.3	8.5	6.9	2.6		
Ghana.....	(NA)	170	164	17.1	70.0	54.4	50.1	23.8	47.2	30.3	34.5		
Greece.....	277	255	280	12.6	16.4	19.0	24.9	18.7	(NA)	19.7	(NA)		
Guatemala.....	185	12 134	12 127	8.7	10.7	11.5	10.7	15.5	22.1	14.1	16.0		
Honduras.....	(NA)	164	182	(NA)	(NA)	9.0	(NA)	(NA)	(NA)	(NA)	(NA)		
India.....	14 185	179	173	11.9	4.2	6.3	11.5	12.9	(NA)	12.9	(NA)		
Indonesia.....	8 354	351	403	20.3	15.3	19.4	18.1	38.7	30.5	31.4	43.0		
Iran.....	15 16 204	248	242	9.5	16.3	10.5	20.7	28.3	(NA)	48.1	(NA)		
Iraq.....	17 18 157	19 152	19 153	6.3	(NA)	(NA)	(NA)	21.2	(NA)	(NA)	(NA)		
Ireland.....	12 153	269	290	13.3	14.1	13.2	18.2	11.6	17.8	24.0	4.6		
Israel.....	5 859	786	834	24.8	65.2	78.3	131.0	25.7	(NA)	33.9	(NA)		
Italy.....	20 301	265	272	11.5	16.4	14.7	21.2	17.4	(NA)	23.9	(NA)		
Japan.....	164	211	216	11.7	6.6	3.6	8.0	19.4	8.5	9.9	8		
Kenya.....	(NA)	7 21 186	7 21 201	11.2	13.0	8.0	13.8	14.8	21.3	9.3	10.6		
Korea, Republic of.....	325	296	357	15.6	17.4	18.3	28.7	30.5	26.7	18.0	18.0		
Libya.....	(NA)	178	120	4.2	(NA)	(NA)	(NA)	30.0	(NA)	24.4	(NA)		
Malaysia.....	(NA)	22 160	22 179	7.4	4.5	3.6	6.7	16.9	17.2	18.0	17.1		
Mexico.....	335	309	311	12.2	21.4	18.2	28.4	17.0	29.9	35.2	33.6		
Morocco.....	10 192	2145	2146	7.2	9.7	8.4	9.4	16.6	16.1	17.1	9.9		
Netherlands.....	23 34 170	183	115	8.7	6.0	4.2	6.5	12.7	7.7	2.7	4.2		
Nigeria.....	(NA)	12 167	12 172	14.1	(NA)	11.2	(NA)	33.8	(NA)	10.3	(NA)		
Norway.....	14 180	192	191	8.4	8.4	4.9	10.7	13.7	12.4	8.7	8.5		
Pakistan.....	6 269	250	260	17.2	9.0	9.5	11.7	13.2	21.2	22.5	19.0		
Peru.....	(NA)	527	590	12.8	51.1	66.7	59.2	26.7	41.6	59.6	71.1		
Philippines.....	7 247	7 215	7 208	16.1	11.7	18.8	17.8	18.6	15.8	11.9	14.1		
Portugal.....	352	4 155	4 162	15.2	21.7	23.9	16.5	16.6	16.2	18.4	24.5		
Romania.....	(NA)	105	108	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	10.4	(NA)		
South Africa.....	253	25 215	25 229	9.3	11.9	13.1	13.8	12.0	15.3	29.7			
Spain.....	255	310	310	12.1	18.1	15.6	15.5	20.1	16.9	13.8	10.2		
Sri Lanka.....	2 157	165	174	7.5	10.3	10.7	26.2	9.0	22.9	17.8	22.2		
Sweden.....	26 200	198	212	8.0	10.5	7.3	13.7	12.1	(NA)	13.9	(NA)		
Switzerland.....	128	151	147	7.7	2.4	3.7	4.0	6.6	5.4	7.8	-5.4		
Syria.....	241	229	246	11.4	10.4	4.6	18.0	24.2	(NA)	19.8	(NA)		
Thailand.....	204	188	209	10.1	9.9	9.9	19.7	13.1	14.4	16.6	15.3		
Tunisia.....	167	13 105	13 106	5.2	7.2	7.8	10.0	18.3	13.6	15.0	16.0		
Turkey.....	509	10 483	524	15.6	51.7	58.7	110.2	27.1	(NA)	(NA)	(NA)		
United Kingdom.....	336	270	315	13.2	14.4	13.4	18.0	11.7	13.0	12.2	4.5		
Venezuela.....	194	164	202	5.7	11.3	12.3	21.6	26.7	18.3	7.6	13.4		
Yugoslavia.....	27 287	359	386	19.3	18.1	21.4	29.9	28.9	30.4	17.4	31.7		
Zaire.....	(NA)	1,132	1,423	18.8	68.8	97.7	36.8	19.8	37.8	54.1	-4.4		
Zambia.....	18 205	28 231	28 243	7.2	15.2	9.9	11.4	9.1	12.0	11.9	10.8		

NA Not available. ¹ Source: Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook* (copyright).

² 1974=100. ³ Basic materials. ⁴ 1976=100. ⁵ Industrial products. ⁶ Year ending in June. ⁷ 1972=100.

⁸ 1971=100. ⁹ Includes direct taxes. ¹⁰ Excludes rent. ¹¹ Basic price of domestic supply. ¹² 1975=100.

¹³ 1977=100. ¹⁴ Excludes foodstuffs and fuel. ¹⁵ Year beginning March 21. ¹⁶ For 1977. ¹⁷ Index of foodstuffs; for 1977. ¹⁸ Average of less than 12 months. ¹⁹ 1973=100. ²⁰ Includes value added taxes. ²¹ Middle income group.

²² Data refer to West Malaysia only. ²³ Producer price index. ²⁴ Raw materials, including semimanufactured goods.

²⁵ White population. ²⁶ Producers' goods. ²⁷ Producers' prices of industrial products. ²⁸ Low Income group.

Source: Except as noted, International Monetary Fund, Washington, D.C., *International Financial Statistics*, monthly, with annual yearbooks.

NO. 1559. LABOR FORCE PARTICIPATION RATES, BY SEX, AND FEMALES AS PERCENT OF TOTAL LABOR FORCE FOR SELECTED COUNTRIES: 1960 TO 1975

COUNTRY	LABOR FORCE PARTICIPATION RATES ¹						FEMALES AS PERCENT OF TOTAL LABOR FORCE		
	Female			Male			1960	1970	1975
	1960	1970	1975	1960	1970	1975			
United States.....	42.6	48.9	53.1	91.7	87.1	85.3	32.3	36.7	38.1
Australia.....	33.1	45.1	49.3	97.6	92.5	90.2	24.4	31.9	34.5
Canada.....	32.0	43.1	50.0	91.7	85.5	86.2	25.4	33.3	36.5
France.....	46.4	48.2	50.5	93.8	87.2	84.4	33.4	35.4	37.1
Germany, Fed. Rep. of.....	49.2	48.1	48.5	94.4	92.5	85.7	37.9	35.9	37.2
Italy.....	37.1	29.6	30.7	92.2	83.1	81.2	29.5	26.8	28.0
Japan.....	60.0	55.3	51.7	92.2	89.3	88.6	40.7	39.3	37.3
Sweden.....	55.0	59.4	67.6	93.6	88.8	89.2	36.9	39.5	42.5
United Kingdom.....	46.1	50.5	55.3	98.0	94.8	91.5	32.7	35.3	37.7

¹ Labor force of all ages as percent of population, 15-64 years old.

Source: Organisation for Economic Co-operation and Development, Paris, France, *Demographic Trends 1950-1990*, 1979. (Copyright.)

NO. 1560. LABOR FORCE AND UNEMPLOYMENT—INTERNATIONAL COMPARISONS: 1970 TO 1980

[Data on basis of U.S. labor force definitions adopted in 1967 (see text, p. 376) except that minimum age for population varies as follows: United States, France, Sweden, and, beginning 1974, Great Britain, 16 years; Australia, Canada, Japan, Germany, and, for 1970, Great Britain, 15 years; Italy, 14 years.]

COUNTRY	CIVILIAN LABOR FORCE (millions)								PERCENT UNEMPLOYED							
	1970	1974	1975	1976	1977	1978	1979	1980	1970	1974	1975	1976	1977	1978	1979	1980
United States.....	82.7	91.0	92.6	94.8	97.4	100.4	102.9	104.7	4.9	5.6	8.5	7.7	7.0	6.0	5.8	7.1
Australia.....	5.5	6.0	6.2	6.2	6.4	6.4	6.5	6.7	1.6	2.7	4.9	4.8	5.6	6.3	6.2	6.1
Canada.....	8.4	9.6	10.0	10.2	10.5	10.9	11.2	11.5	5.7	5.3	6.9	7.1	8.1	8.4	7.5	7.5
France.....	20.8	21.6	21.6	21.8	22.1	22.3	22.5	22.7	2.6	3.0	4.3	4.7	5.0	5.4	6.1	6.6
Germany, F.R. ²	26.3	26.1	25.7	25.4	25.4	25.6	25.8	26.0	.8	1.7	3.6	3.6	3.8	3.7	3.3	3.3
Great Britain..	24.3	24.5	24.6	25.0	25.3	25.4	25.4	25.1	3.1	2.9	4.1	5.6	6.2	6.1	5.8	7.5
Italy.....	20.0	20.1	20.3	20.5	20.5	20.6	20.9	21.2	3.1	2.8	3.2	3.6	3.6	3.7	3.9	3.9
Japan.....	50.7	52.4	52.5	53.1	53.8	54.6	55.2	55.8	1.2	1.4	1.9	2.0	2.0	2.3	2.1	2.0
Sweden.....	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.3	1.5	2.0	1.6	1.6	2.2	2.1	2.0	2.0

¹ Preliminary estimates based on incomplete data.

² Federal Republic of Germany. Includes West Berlin.

NO. 1561. WORK STOPPAGES AND TIME LOST DUE TO INDUSTRIAL DISPUTES—SELECTED COUNTRIES: 1978 TO 1980

ITEM	United States ¹	Canada ²	Belgium ³	Denmark ⁴	France ⁵	Germany, Fed. Rep. ⁶	Italy ⁷	Japan ⁸	Netherlands	Sweden	United King- dom ⁹
Number of stoppages:											
1978.....	4,230	1,058	195	314	3,206	(NA)	2,415	1,517	10	99	2,471
1979.....	4,827	1,050	215	218	6,275	(NA)	1,850	1,153	30	207	2,080
1980.....	3,873	1,026	(NA)	(NA)	9,888	2,000	(NA)	(NA)	(NA)	(NA)	1,262
Workers Involved (1,000):¹⁰											
1978.....	1,623	402	91	59	705	487	8,299	660	3	8	1,041
1979.....	1,727	463	56	157	987	77	14,914	450	32	32	4,608
1980.....	1,365	442	(NA)	(NA)	(NA)	(NA)	12,260	(NA)	(NA)	(NA)	789
Working days lost (1,000):											
1978.....	36,922	7,393	1,002	129	2,200	4,281	8,659	1,357	3	37	9,405
1979.....	34,754	7,834	622	173	3,657	493	22,002	930	307	29	21,474
1980.....	33,389	8,999	(NA)	(NA)	1,674	(NA)	12,626	(NA)	(NA)	(NA)	11,910
Days lost per 1,000 employees:¹¹											
1978.....	438	840	326	64	124	206	647	36	1	10	422
1979.....	402	856	202	85	214	23	1,630	24	19	8	1,312
1980.....	385	952	(NA)	(NA)	98	(NA)	921	(NA)	(NA)	(NA)	540

NA Not available. ¹ Excludes disputes involving fewer than six workers or lasting less than a full day or shift. ² Excludes disputes resulting in fewer than 10 worker-days lost. Excludes workers indirectly affected by a dispute in their own working days lost. ³ Excludes workers indirectly affected. ⁴ Excludes political disputes and disputes resulting in less than 100 except when a loss of more than 100 working days is involved. ⁵ Excludes disputes in agriculture and public administration. ⁶ Excludes disputes lasting less than one day workers indirectly affected by a dispute in their own establishment. ⁷ Excludes strikes in agricultural sector, political strikes, and workers indirectly affected by a dispute in their own establishment. ⁸ Excludes disputes lasting less than four hours and employment or conditions of labor and disputes involving fewer than 10 workers or lasting less than one day unless a loss of more than 100 working days is involved. ⁹ Workers are counted more than once if they were involved in more than one stoppage during the year. ¹⁰ Per 1,000 persons with paid hours in nonagricultural industries.

Source of tables 1560 and 1561: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, annual.

No. 1562. SELECTED INDEXES OF MANUFACTURING ACTIVITY—SELECTED COUNTRIES: 1970 TO 1980

[1977=100. Minus sign (−) denotes decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

YEAR	United States	Canada	Belgium	Denmark	France	Germany ^a	Italy	Japan	Netherlands	Sweden	United Kingdom
Output per hour:											
1970	79.2	77.9	59.8	66.4	70.6	68.5	72.7	60.7	63.0	81.7	83.2
1975	93.5	90.8	86.2	91.0	88.4	89.3	91.1	84.0	85.2	100.0	95.0
1977	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1978	100.9	103.1	106.1	104.4	104.9	103.8	103.1	106.8	105.4	104.2	103.2
1979	101.9	104.3	112.3	107.7	109.8	110.3	112.4	115.5	110.1	111.5	105.8
1980 ^b	101.4	102.9	(NA)	109.8	113.4	109.5	115.6	122.7	(NA)	114.7	104.4
Average annual percent change:											
1970-1975	3.4	3.1	7.6	6.5	4.6	5.4	4.8	6.7	6.2	4.1	2.7
1975-1980	1.6	2.5	+ 8.8	3.8	5.1	4.2	4.9	7.9	+ 6.6	2.8	1.8
Compensation per hour, national currency basis: ^c											
1970	57.6	46.1	35.2	40.7	37.9	45.6	28.1	33.5	38.5	37.9	33.5
1975	65.5	77.6	80.3	81.4	76.7	84.8	70.2	84.6	82.0	75.4	76.2
1977	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1978	108.2	107.5	107.1	110.3	112.8	108.5	114.6	106.3	108.0	109.8	118.4
1979	118.7	118.1	115.5	122.3	128.6	118.4	137.0	114.3	116.0	118.9	139.9
1980 ^b	131.2	129.2	(NA)	138.1	143.1	127.8	150.2	124.6	(NA)	130.0	168.6
Average annual percent change:											
1970-1975	8.2	11.0	17.9	14.9	15.5	13.2	21.8	20.3	16.3	14.7	17.9
1975-1980	8.9	10.7	+ 9.5	10.8	14.2	8.5	17.9	8.0	+ 9.1	11.5	17.2
Real hourly compensation: ^{d,e}											
1970	89.9	76.2	61.5	76.8	88.4	66.0	62.3	65.0	67.6	70.6	94.3
1975	98.3	90.1	93.9	98.6	91.9	91.6	97.7	100.1	95.1	93.5	103.8
1977	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1978	100.5	98.7	102.5	100.2	103.5	105.9	101.9	102.0	103.6	101.9	109.1
1979	99.1	99.4	105.8	101.4	106.5	111.2	105.2	108.7	106.9	103.4	113.2
1980 ^b	96.5	98.7	(NA)	100.4	108.7	114.1	101.6	107.0	(NA)	99.4	116.1
Average annual percent change:											
1970-1975	1.4	3.4	8.8	5.1	8.1	6.8	9.4	8.1	7.1	5.8	4.2
1975-1980	(2)	1.6	+ 3.0	.4	3.4	4.5	.8	1.3	+ 3.0	1.2	2.3
Unit labor costs, national currency:											
1970	72.7	59.2	58.8	61.3	52.9	66.6	36.0	55.2	61.0	46.3	40.3
1975	91.4	85.5	83.2	88.4	85.7	85.0	77.1	102.7	96.2	75.4	80.2
1977	100.0	100.0	100.0	100.0	101.0	100.0	100.0	100.0	100.0	100.0	100.0
1978	107.3	104.3	101.0	105.7	107.6	104.6	112.2	99.5	102.5	105.5	114.8
1979	116.5	113.3	102.9	113.5	(17.1)	107.4	121.9	95.9	105.3	106.7	131.7
1980 ^b	129.4	125.6	(NA)	124.1	131.5	118.7	138.5	101.6	(NA)	113.3	161.6
Average annual percent change:											
1970-1975	4.7	7.6	9.6	7.8	10.4	7.4	16.5	12.8	9.5	10.2	14.8
1975-1980	7.2	8.0	+ 2.6	6.8	8.7	4.2	12.4	.2	+ 2.3	8.5	15.0
Unit labor costs, U.S. dollar basis: ^f											
1970	72.7	60.2	42.5	49.1	47.0	42.4	50.6	41.3	41.4	39.9	55.3
1975	91.4	89.3	91.0	93.6	99.8	89.8	104.3	90.9	93.5	81.3	102.1
1977	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1978	107.3	97.2	115.1	115.2	117.5	121.0	115.6	127.9	118.4	104.3	126.2
1979	116.5	102.8	125.7	129.6	135.3	136.0	129.5	121.4	128.8	111.2	160.2
1980 ^b	129.4	114.2	(NA)	132.4	153.1	149.2	143.0	120.5	(NA)	119.7	215.4
Average annual percent change:											
1970-1975	4.7	8.2	16.5	13.8	16.2	16.2	15.6	17.1	17.7	15.3	13.1
1975-1980	7.2	5.0	+ 8.4	7.2	9.0	10.7	6.5	5.8	+ 8.3	8.0	18.1
Employment:											
1970	98.2	86.2	113.5	111.2	87.6	116.0	94.8	99.5	118.6	103.7	110.3
1975	93.0	102.2	108.5	99.3	101.5	103.3	99.7	98.8	107.0	103.7	102.6
1977	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1978	104.2	102.5	95.9	89.6	98.2	99.4	99.0	98.9	97.2	95.9	97.6
1979	107.1	105.5	93.7	100.8	98.2	98.9	99.4	98.1	95.6	96.0	95.5
1980 ^b	103.6	105.3	(NA)	99.2	94.8	100.4	99.7	98.8	(NA)	98.3	89.8
Average annual percent change:											
1970-1975	-1.1	1.2	-9	-2.2	.8	-2.3	1.0	.1	-2.0	-	-1.4
1975-1980	2.2	.6	+ 3.6	-(2)	-1.3	-.6	-	-2	+ 2.8	-1.5	-2.6
Hours:											
1970	97.3	89.2	129.7	122.5	105.3	126.0	107.4	106.4	131.1	114.6	113.8
1975	91.4	103.0	107.6	99.8	102.5	101.6	95.4	95.4	107.6	105.0	101.2
1977	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1978	104.4	102.5	96.0	98.4	97.6	98.1	98.7	99.5	98.6	94.6	97.4
1979	105.6	105.2	94.0	99.5	95.2	96.8	96.6	99.7	94.2	93.3	95.1
1980 ^b	102.2	103.9	(NA)	97.7	93.1	97.8	100.0	100.6	(NA)	92.0	87.1
Average annual percent change:											
1970-1975	-1.2	.7	-9.7	-4.0	-.6	-4.2	-2.9	-1.9	-3.9	-1.6	-2.3
1975-1980	2.3	.2	+ 3.3	-.4	-1.9	-.8	1.0	.9	+ 3.3	-2.8	-3.0

^a Represents zero. ^b Not available. ^c Less than .05 percent. ^d Preliminary. ^e Period refers to 1975-79. ^f Compensation includes, but real hourly compensation excludes, adjustments for payroll and employment taxes that are not compensation to employees, but are labor costs to employers. ^g Index of hourly compensation divided by the index of consumer prices to adjust for changes in purchasing power. ^h Indexes in national currency adjusted for changes in prevailing exchange rates.

No. 1563. LABOR FORCE, MANUFACTURING, STEEL, IRON ORE, CEMENT, COTTON YARN, AND FISH, BY COUNTRY: 1977

[See text, p. 864, for general comments about the data. For additional data qualifications for countries, see source.]

COUNTRY	Economically active population ¹ (1,000)	Persons engaged in manufacturing ² (1,000)	STEEL		PRODUCTION			Fish catches ³ (1,000 metric tons)
			Production ³ (mil. metric tons)	Consumption ⁴	Iron ore ⁵ (iron content) (mil. metric tons)	Cement ⁶ (mil. metric tons)	Cotton yarn ⁷ (1,000 metric tons)	
				Total (mil. metric tons)	Per capita (kilograms)	(Z)	7.8	41
World, total	(NA)	(NA)	667.0	(NA)	(NA)	482.8	759.0	(NA) 73,600
United States	982,897	(NA)	10 113.7	133.9	618	11 35.0	72.6	1,145 3,102
Algeria	2,565	(NA)	.2	2.0	110	1.7	1.8	12.9 44
Argentina	9,011	(NA)	2.7	3.6	140	.3	6.0	14 95 393
Australia	5,330	14 15 1,725	14 7.5	5.1	365	14 60.2	5.0	13 14 20 14 128
Austria	3,098	12 10 17 677	4.1	2.5	395	1.1	6.0	20 3
Belgium	3,638	(NA)	11.3	18 4.0	18 388	(Z)	7.8	41 45
Brazil	29,557	18 19 20 3,638	11.2	12.0	107	21 56.6	20.5	22 22 70 24 790
Bulgaria	4,268	25 1,180	2.6	2.4	276	.7	4.7	86 138
Canada	8,162	22 1,746	13.6	12.8	550	27 31.8	9.9	22 63 1,280
Chile	2,607	12 22 236	29.5	.6	60	4.9	1.1	13 30 23 1,285
China: Mainland	(NA)	21 27.0	32.5	38	21 32.5	21 40.0	13 1,450	24 6,880
Taiwan ^{31 32}	6,323	1,901	1.3	4.8	293	(NA)	11.5	286 885
Colombia	5,134	12 18 19 457	.2	.8	31	.5	3.3	19 28 24 75
Cuba	2,633	(NA)	.3	.5	53	(NA)	2.7	13 24 785
Czechoslovakia	5,986	25 2,489	15.1	10.5	700	.6	9.8	126 18
Denmark	2,313	22 24 380	.7	1.8	356	(Z)	2.3	2 1,807
Dominican Republic	856	(NA)	.1	.2	28	(NA)	21 .6	22 35 (Z) 5
Ecuador	1,443	12 18 19 75	(NA)	.4	46	(NA)	20 .6	22 1 476
Egypt	7,782	30 37 693	21.3	1.0	26	.7	3.2	13 210 105
El Salvador	1,315	12 18 19 51	(NA)	.1	21	(NA)	.3	19 6 8
Finland	2,129	20 498	2.2	1.5	326	.8	1.7	22 18 117
France	20,439	39 5,760	22.1	19.5	368	11.1	29.0	238 760
German Dem. Rep	8,214	40 3,112	6.9	9.9	591	(Z)	12.1	41 135 209
Germany, F.R. of	26,494	42 6,915	39.0	33.0	538	.9	32.2	41 178 432
Ghana	3,322	43 44 45 61	(NA)	.1	11	(NA)	22 .7	(NA) 383
Greece	4,388	19 573	21.5	1.6	176	.9	10.6	13 22 87 24 106
Guatemala	1,364	12 20 68	(NA)	.2	26	(NA)	.5	(NA) 3
Hong Kong	1,655	755	(NA)	1.2	262	-	1.0	200 158
Hungary	4,989	40 1,331	3.7	3.7	343	.1	4.6	17 60 35
India	180,373	22 46 49 5,662	29 9.8	10.2	16	26.5	19.2	50 1,034 2,540
Indonesia	40,100	12 21 515	(NA)	1.2	8	(NA)	2.9	30 54 1,545
Iran	7,584	12 33 52 396	(NA)	4.7	137	21 53 .7	22 6.0	22 35 65 24 2
Iraq	(NA)	12 54 134	(NA)	.7	60	(NA)	21 2.5	12 13 1 26
Ireland	1,120	30 55 203	21 (Z)	.5	150	(NA)	1.6	55 4 96
Israel	956	20 43 255	21 1	.7	195	(NA)	2.0	26 24
Italy	18,760	12 57 3,624	23.3	20.8	368	.2	38.2	212 427
Japan	53,321	16 22 59 11,212	102.4	58.2	512	59 .5	73.1	441 10,733
Korea, Dem. Peo. Rep	(NA)	21 3.1	3.2	190	21 3.8	21 7.0	(NA)	24 1,600
Korea, Rep. of	10,378	20 22 44 1,717	29 2.7	6.8	186	.4	14.2	189 2,419
Lebanon	(NA)	(NA)	(NA)	.2	79	(NA)	21 1.4	13 20 5 24 3
Liberia	412	(NA)	(NA)	(Z)	19	12.0	21 .1	(NA) 24 16
Luxembourg	131	12 57 45	4.3	(18)	(18)	.5	.3	(NA) (NA)
Malaysia	3,430	10 19 60 281	(NA)	.6	50	.2	61 1.8	13 61 18 619
Mexico	12,910	(NA)	5.5	6.5	100	3.6	13.3	12 19 158 670
Morocco	3,981	(NA)	12 52 (Z)	.8	44	.2	2.6	19 14 261
Netherlands	4,169	53 64 1,022	4.9	4.5	322	(NA)	3.9	28 313
New Zealand	9,1,026	22 48 65 299	(NA)	.9	280	-	.9	(NA) 111
Nigeria	16,036	19 44 54 186	(NA)	1.8	27	(NA)	1.3	12 19 5 506
Norway	1,469	20 22 367	.7	1.6	405	2.4	2.3	1 3,562
Pakistan	39,591	(NA)	(NA)	.7	9	(NA)	14 3.1	13 14 50 283
Peru	3,872	20 30 258	21 .4	.6	37	4.0	21 2.0	(NA) 2,530
Philippines	11,355	19 20 532	(NA)	1.4	31	-	4.1	13 41 31 1,511
Poland	16,944	56 4,284	17.3	18.7	540	57 .2	21.3	41 219 665
Portugal	3,424	16 22 50 629	.4	1.5	156	(Z)	4.3	13 85 310
Romania	10,362	66 1,635	11.5	12 9.8	12 464	.6	13.1	41 47 171 151
South Africa	7,986	58 65 1,315	29 62 7.2	71 4.9	71 161	16.6	6.6	87 603

See footnotes at end of table.

NO. 1563. LABOR FORCE, MANUFACTURING, STEEL, IRON ORE, CEMENT, COTTON YARN, AND FISH, BY COUNTRY: 1977—Continued

[See headnote, page 884]

COUNTRY	Eco-nomically active population ¹ (1,000)	Persons engaged in manufacturing ² (1,000)	STEEL		PRODUCTION			Fish catches ³ (1,000 metric tons)	
			Production ⁴ (mil. metric tons)	Consumption ⁴	Iron ore ⁵ (iron content) (mil. metric tons)	Ce-ment ⁶ (mil. metric tons)	Cotton yarn ⁷ (1,000 metric tons)		
				Total (mil. metric tons)	Per capita (kilograms)				
Soviet Union.....	115,204	30,562	146.7	²² 145.6	²² 567	131.4	127.1	1,597	
Spain.....	11,865	16 22 72 2,279	10.9	9.1	249	4.2	28.0	66	
Si Lanka.....	3,459	(NA)	(NA)	(2)	2	(NA)	.4	135	
Sweden.....	3,413	925	4.0	3.8	463	16.1	2.5	139	
Switzerland.....	3,005	16 73 675	14.7	2.3	356	(NA)	3.6	227	
								192	
Syria.....	1,525	176	(NA)	.6	76	(NA)	1.4	4	
Thailand.....	16,850	(NA)	²¹ 3	1.4	31	(Z)	5.1	1,778	
Tunisia.....	1,094	16 22 78 84	²² 2	.4	63	.2	.6	38	
Turkey.....	15,829	²² 33 738	1.5	4.7	112	1.4	13.4	22 50 167	
United Kingdom.....	76 22,754	12 7,472	20.4	19.5	349	.9	15.5	1,004	
Uruguay.....	1,012	239	(Z)	(Z)	16	-	²¹ 7	(NA)	
Venezuela.....	3,015	12 324	²¹ 8	3.6	285	8.5	3.3	43 16	
Vietnam.....	77 5,742	(NA)	(NA)	.3	7	(NA)	²¹ 7	13 30 77 10	
Yugoslavia.....	8,890	²² 78 1,811	2.4	5.2	239	1.5	8.2	121	
Zimbabwe.....	110	(NA)	²¹ 3	.5	74	²¹ 3	.5	(NA)	
								24 2	

¹ Represents zero. NA Not available. Z Less than 50,000 metric tons; except cotton, less than 500 metric tons.

² Comprises all persons engaged in or actively seeking productive work in some branch of the economy during a specified period of time. Generally, data are for a specific date in the 1960's and 1970's. ³ Comprises average number of employees, working proprietors, and unpaid family workers engaged in production of manufactured goods, including assembly of component parts and, except in the case of consumer goods, repair services. Except as noted, excludes gas manufacture and electricity.

⁴ Total production of crude steel, both ingots and steel for castings. Excludes wrought (puddled) iron. ⁵ Data represent apparent consumption (i.e., production plus imports minus exports) and do not take into account changes in stocks.

⁶ Refers generally to iron content of marketable ores mined, including manganeseiferous iron ores but excluding pyrites. Some data are rough estimates obtained by applying a fixed percentage to figures for crude ore production.

⁷ Covers, as far as possible, all hydraulic cements used for construction (portland, metallurgical, aluminum, natural, etc.). ⁸ Covers pure and mixed yarn, including yarn spun from cotton waste, and excludes tire cord yarn, except as noted.

⁹ Covers both sea and inland fisheries, in terms of live weight, includes shellfish; excludes whales, dolphins, etc. ¹⁰ Excludes Armed Forces abroad.

¹¹ Excludes steel for castings made in foundries operated by companies not producing ingots. ¹² Includes iron content of byproduct ore. ¹³ For 1975. ¹⁴ Pure cotton yarn only. ¹⁵ Year ending June 30. ¹⁶ All establishments except single-establishment enterprises with fewer than 4 employees. ¹⁷ For one period of the year indicated.

¹⁸ Establishments with 20 or more employees. ¹⁹ Luxembourg included with Belgium. ²⁰ For 1974. ²¹ Establishments with 5 or more engaged. ²² Data from U. S. Bureau of Mines. ²³ Production in the State of São Paulo only. ²⁴ FAO estimate. ²⁵ All enterprises in socialist sector except publishing. ²⁶ Excludes armed services. ²⁷ Shipments from mines. ²⁸ Establishments with 50 or more engaged. ²⁹ Ingots only. ³⁰ For 1973. ³¹ Source: U. S. Bureau of the Census. Data from Republic of China publications. ³² For 1978. ³³ Establishments with 10 or more engaged. ³⁴ Establishments with 6 or more employees. ³⁵ Mixed yarn only. ³⁶ Establishments with 7 or more engaged. ³⁷ Private establishments with 10 or more engaged and all public establishments.

³⁸ Establishments with 5 or more employees. ³⁹ Total mining and manufacturing. ⁴⁰ All enterprises. ⁴¹ Includes tire cord yarn. ⁴² Establishments with 20 or more engaged. ⁴³ For 1972. ⁴⁴ Includes homeworkers. ⁴⁵ Establishments with 30 or more engaged. ⁴⁶ Includes Armed Forces abroad. ⁴⁷ Excludes yarn made from waste. ⁴⁸ Year ending March 31. ⁴⁹ Establishments with 10 or more engaged using power, or with 20 or more engaged not using power. ⁵⁰ Mill production only. ⁵¹ Establishments with 20 or more workers. ⁵² Year ending March 20. ⁵³ Year beginning March 21. ⁵⁴ Establishments with 10 or more employees. ⁵⁵ Establishments with 3 or more engaged. ⁵⁶ Data from International Cotton Advisory Committee. ⁵⁷ Enterprises with 20 or more engaged. ⁵⁸ All private establishments. ⁵⁹ Includes iron content of iron sand and pyrites. ⁶⁰ Establishments in selected industries. ⁶¹ West Malaysia only. ⁶² Crude steel for casting only. ⁶³ Work-years. ⁶⁴ All kind-of-activity units in mining and manufacturing. ⁶⁵ Establishments with 2 or more engaged. ⁶⁶ All establishments in the socialist sector, except publishing. ⁶⁷ Includes iron content of iron pyrites. ⁶⁸ State enterprises under direction of central government. ⁶⁹ For one period of year ending June 30, 1976. ⁷⁰ Includes concast steel billets. ⁷¹ Includes data for Botswana, Lesotho, Namibia, and Swaziland. ⁷² All establishments, but certain industries not covered. ⁷³ Establishments subject to labor laws. ⁷⁴ Data from UN Economic Commission for Europe. ⁷⁵ All units with 5 or more employees. ⁷⁶ For England and Wales only. ⁷⁷ Data for former Republic of South Vietnam only. ⁷⁸ All enterprises in the socialist sector, except licensed handicrafts.

Source: Except as noted, Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook and Demographic Yearbook*. (Copyright.)

No. 1564. PRIMARY ENERGY PRODUCTION BY SOURCE OF ENERGY AND REGION: 1960 TO 1979

[In millions of metric tons of coal equivalent. See text, p. 864, for general comments concerning the data]

SOURCE OF ENERGY AND YEAR	World, total ¹	Afri- ca	United States	Other West- ern Hemisphere	Middle East	Other Asia	West- ern Europe	East- ern Europe	Soviet Union	Oceania
Total primary energy:										
1960.....	4,305	56	1,806		368	527	542	958		29
1965.....	5,409	208	2,216		618	469	552	1,306		39
1970.....	7,150	486	2,130	664	1,046	602	538	407	1,208	70
1975.....	8,214	437	1,980	677	1,484	859	630	459	1,567	111
1977.....	8,973	544	1,989	703	1,677	1,014	691	483	1,743	127
1978.....	9,145	546	1,992	732	1,604	1,107	730	493	1,812	129
1979.....	9,560	589	2,088	806	1,619	1,139	801	502	1,884	133
Coal and lignite:										
1960.....	2,036	35	397		4	463	474	635		27
1965.....	2,124	48	480		6	382	455	717		33
1970.....	2,260	54	540	21	7	442	363	331	450	53
1975.....	2,427	62	541	33	8	552	312	361	490	69
1977.....	2,570	74	552	37	8	626	301	377	515	79
1978.....	2,608	78	516	40	8	688	300	385	511	81
1979.....	2,737	82	607	43	8	703	305	396	511	83
Crude petroleum: ¹										
1960.....	1,588	20	881		380	47	23	236		(Z)
1965.....	2,278	156	1,044		606	62	32	378		(Z)
1970.....	3,422	427	777	499	1,017	121	29	27	514	31
1975.....	3,981	356	683	452	1,433	238	43	29	715	33
1977.....	4,467	449	672	458	1,626	304	101	30	795	33
1978.....	4,517	440	702	477	1,563	321	129	29	832	33
1979.....	4,693	478	696	529	1,570	330	167	27	861	35
Natural gas:										
1960.....	597	(Z)	492		3	6	16	79		(NA)
1965.....	893	3	646		6	11	25	200		(Z)
1970.....	1,312	3	780	114	21	18	99	47	228	2
1975.....	1,583	14	707	149	41	41	214	66	344	7
1977.....	1,685	16	707	158	41	53	217	72	411	11
1978.....	1,743	22	705	160	41	61	227	74	442	11
1979.....	1,843	23	719	176	38	66	252	74	484	11
Hydro and nuclear electricity: ²										
1960.....	85	1	36		(Z)	11	29	7		1
1965.....	116	2	45		(Z)	17	39	11		2
1970.....	155	3	34	28	1	21	47	2	16	3
1975.....	224	5	59	43	1	29	62	3	18	4
1977.....	250	6	59	50	2	31	72	4	22	4
1978.....	277	6	69	55	2	36	74	5	26	4
1979.....	287	7	67	58	2	40	77	5	28	4

NA Not available. Z Less than 500,000.

¹ Includes natural gas liquids.² Includes geothermal.

Source: Statistical Office of the United Nations, New York, N.Y., 1979 Yearbook of World Energy Statistics. (Copyright.)

No. 1565. ENERGY, PETROLEUM, AND COAL, BY COUNTRY: 1970 TO 1980

[Metric ton = 1.1023 short tons. See text, p. 864, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	ENERGY CONSUMED ¹ (coal equiv.)				ELECTRIC ENERGY PRODUCTION ² (bil. kWh)		CRUDE PETROLEUM PRODUCTION ³ (mil. metric tons)		COAL PRODUCTION ⁴ (mil. metric tons)	
	Total (mil. metric tons)		Per capita (kilograms)		1970	1980	1970	1980	1970	1979
	1970	1980	1970	1980	1970	1980	1970	1979	1970	1979
World, total.....	6,820.1	(NA)	1,892	(NA)	4,923	(NA)	2,277	3,123	2,143	2,698
United States.....	2,227.1	2,369.7	10,870	10,410	5,1640	5,2356	475.3	419.9	550.4	665.7
Algeria.....	3.0	15.0	212	808	2.0	6.2	49.0	54.5	(Z)	(Z)
Argentina.....	37.9	49.2	1,695	1,818	21.7	40.6	20.0	24.3	.6	.7
Australia.....	64.1	88.2	5,123	6,032	6,523.9	95.9	78.5	21.6	45.2	74.8
Austria.....	24.6	31.2	3,319	4,160	30.0	42.0	2.8	1.7	—	(NA)
Bahrain.....	.6	5.5	2,698	13,275	.8	1.1	3.8	2.6	(NA)	(NA)
Bangladesh.....	(NA)	4.1	(NA)	46	(NA)	2.6	(NA)	(NA)	—	(NA)
Belgium.....	54.2	59.5	5,608	6,037	30.5	53.6	(NA)	(NA)	11.4	6.1
Brazil.....	41.5	93.6	449	761	5 45.5	137.4	8.0	8.0	2.4	4.6
Bulgaria.....	32.1	50.3	3,775	5,678	19.5	34.8	.3	.2	.4	.3
Burma.....	1.6	2.2	59	63	.6	1.4	.8	1.5	(Z)	(Z)
Canada.....	187.2	245.2	8,779	10,241	6 204.7	368.7	60.4	73.3	11.6	28.0
Chile.....	10.4	10.9	1,113	985	7.6	11.5	1.5	.8	1.4	.9
China: Mainland.....	347.7	565.6	429	602	* 107.0	8 300.6	23.9	106.2	* 10 360.0	635.0
Taiwan ¹¹	15.3	¹² 37.7	1,055	2,202	14.0	¹³ 40.7	(NA)	(NA)	4.5	2.7
Colombia.....	12.1	21.2	589	769	8.8	20.6	11.3	6.5	2.3	5.0
Cuba.....	8.5	13.1	1,000	1,328	4.9	9.8	.2	.2	(NA)	(NA)
Czechoslovakia.....	77.4	99.3	5,402	6,482	45.2	74.1	.2	.1	¹⁴ 28.2	¹⁴ 28.8

See footnotes at end of table.

Energy, Petroleum, and Coal

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NO. 1565. ENERGY, PETROLEUM, AND COAL, BY COUNTRY: 1970 TO 1980—Continued

[Metric ton = 1.1023 short tons. See text, p. 884, for general comments about the data. For additional data qualifications for countries, see source.]

COUNTRY	ENERGY CONSUMED ¹ (coal equiv.)				ELECTRIC ENERGY PRODUCTION ² (bil. kWh)		CRUDE PETROLEUM PRODUCTION ³ (mil. metric tons)		COAL PRODUCTION ⁴ (mil. metric tons)	
	Total (mil. metric tons)		Per capita (kilograms)		1970	1980	1970	1979	1970	1979
	1970	1980	1970	1980			1970	1979		
Denmark.....	26.8	26.7	5,420	5,224	20.0	25.4	—	.4	(NA)	(NA)
Ecuador.....	1.7	5.0	282	598	.9	3.2	10.9	(NA)	(NA)	
Egypt.....	8.7	20.8	260	496	7.6	18.5	16.4	24.9	—	(NA)
Ethiopia.....	.7	.9	27	29	¹⁵ .5	.7	(NA)	(NA)	(NA)	(NA)
Finland.....	18.7	24.5	4,070	5,135	⁵ 21.2	⁵ 38.6	(NA)	(NA)	(NA)	(NA)
France ¹⁶	193.6	239.7	3,814	4,351	147.0	257.8	2.3	1.2	¹⁴ 37.8	¹⁴ 19.9
German Dem. Rep.	104.5	124.0	6,128	7,408	67.7	98.8	.1	.1	1.0	.1
Germany, Fed. Rep.	311.1	352.5	5,124	5,727	242.6	368.8	7.5	4.8	¹⁷ 118.3	86.3
Greece.....	9.8	20.5	1,109	2,137	9.8	22.4	—	(NA)	(NA)	(NA)
Hong Kong.....	3.8	7.3	952	1,433	⁸ 5.1	⁸ 12.6	(NA)	(NA)	(NA)	(NA)
Hungary.....	29.0	41.2	2,809	3,850	14.5	23.9	1.9	2.0	¹⁴ 4.2	¹⁴ 3.0
India.....	76.4	126.4	142	191	¹⁸ 61.2	116.3	6.8	12.8	73.7	103.4
Indonesia.....	13.8	33.3	116	220	2.3	7.1	42.6	78.3	.2	.3
Iran.....	27.2	46.7	947	1,246	7.0	17.2	191.3	153.3	⁹ 19.5	.9
Iraq.....	5.7	7.9	603	606	2.8	8.0	²⁰ 76.5	168.6	(NA)	(NA)
Ireland.....	7.7	10.2	2,628	2,955	¹⁸ 6.1	10.9	(NA)	(NA)	.2	.1
Israel.....	5.9	9.2	1,986	2,367	6.9	12.5	²¹ 5.0	(Z)	(NA)	(NA)
Italy.....	²² 142.0	²² 189.3	²² 2,647	²² 3,318	²² 117.4	²² 186.3	1.4	1.7	.3	(Z)
Japan.....	317.4	408.0	3,098	3,949	¹⁸ 359.5	612.0	.8	.5	²³ 39.7	17.6
Korea, Dem. Peo. Rep.	28.5	48.5	2,050	2,710	⁸ 16.5	⁸ 35.0	(NA)	(NA)	⁹ 21.8	35.0
Korea, Republic of.....	20.9	54.3	648	1,422	9.6	40.0	(NA)	(NA)	12.4	18.2
Kuwait.....	²⁴ 4.4	²⁴ 9.1	²⁴ 5,855	²⁴ 6,720	²⁴ 2.7	²⁴ 9.3	²⁴ 150.6	²⁴ 126.0	(NA)	(NA)
Libya.....	1.3	6.5	672	2,180	⁸ 4	⁸ 3.1	159.8	99.3	(NA)	(NA)
Malaysia.....	6.1	11.3	582	838	3.5	9.0	.9	12.6	(NA)	(NA)
Mexico.....	53.5	127.3	1,055	1,770	⁵ 28.7	⁵ 64.2	21.5	74.9	3.0	6.9
Morocco.....	2.9	6.9	184	340	1.9	4.8	(Z)	(Z)	.4	.7
Netherlands.....	59.9	87.8	4,595	6,208	40.9	64.8	1.9	1.3	4.3	(NA)
Nigeria.....	2.7	11.1	49	144	1.6	5.0	54.2	¹¹ 4.5	.1	.2
Norway.....	17.9	26.3	4,616	6,437	57.6	84.0	—	18.3	.5	.3
Pakistan.....	²⁵ 10.7	18.0	²⁵ 82	218	⁸ 25.7	16.1	.5	.5	⁶ 10.1	1.3
Peru.....	8.0	11.0	596	619	5.5	9.8	3.6	10.3	.2	(Z)
Philippines.....	9.7	15.3	263	316	8.7	18.0	—	1.3	(Z)	.3
Poland.....	137.5	198.9	4,226	5,586	64.5	121.9	.4	.4	140.1	201.0
Portugal.....	6.4	10.9	712	1,097	7.5	15.0	(NA)	(NA)	.3	.2
Romania.....	61.4	102.3	3,032	4,593	35.1	67.5	13.4	12.3	6.4	7.5
Saudi Arabia.....	²⁴ 3.8	²⁴ 12.4	²⁴ 608	²⁴ 1,479	²⁴ 1.1	²⁴ 9.0	²⁴ 188.4	²⁴ 476.0	(NA)	(NA)
South Africa ²⁶	56.7	85.7	2,241	2,695	50.8	85.8	(NA)	(NA)	54.6	95.4
Soviet Union.....	991.4	1,485.7	4,084	5,595	740.9	1,295.0	⁷ 353.0	590.9	432.7	495.0
Spain.....	48.5	95.0	1,467	2,539	55.6	110.2	.2	.9	¹⁴ 10.8	¹⁴ 11.7
Sudan.....	(NA)	1.2	(NA)	65	.4	1.0	(NA)	(NA)	(NA)	(NA)
Sweden.....	45.4	43.8	5,769	5,269	60.6	96.3	(NA)	(NA)	(Z)	(Z)
Switzerland.....	²⁷ 20.2	²⁷ 23.7	²⁷ 3,222	²⁷ 3,708	²⁷ 33.2	²⁷ 48.2	(NA)	(NA)	(NA)	(NA)
Syria.....	2.4	9.4	366	1,047	.9	3.4	4.2	8.9	(NA)	(NA)
Tanzania.....	.8	1.0	57	55	.5	.7	(NA)	(NA)	(Z)	(Z)
Thailand.....	6.7	17.2	183	371	4.5	15.0	⁶ (Z)	(Z)	(NA)	(NA)
Trinidad and Tobago.....	5.0	5.8	4,907	5,105	1.2	1.8	7.2	11.1	(NA)	(NA)
Tunisia.....	1.5	3.4	288	536	.6	2.8	4.2	5.5	(NA)	(NA)
Turkey.....	16.5	33.1	472	737	8.6	23.3	3.5	2.6	4.6	4.5
United Arab Emirates.....	.6	4.4	2,537	5,449	⁸ 28.1	⁸ 4.5	37.7	89.8	(NA)	(NA)
United Kingdom.....	278.7	276.2	5,029	4,842	249.0	281.5	.1	77.8	¹⁴ 147.1	¹⁴ 122.4
Venezuela.....	24.3	47.0	2,362	3,375	12.7	31.0	194.3	123.5	(Z)	.1
Vietnam.....	12.6	7.8	300	148	2.1	3.9	(NA)	(NA)	3.0	6.0
Yugoslavia.....	28.7	45.8	1,409	2,049	26.0	58.9	2.9	4.1	.6	.4
Zaire.....	1.5	1.9	68	67	3.2	4.4	—	1.0	.1	.1
Zambia.....	2.0	2.8	464	475	⁵ .9	⁵ 8.9	(NA)	(NA)	.6	.6

— Represents zero. NA Not available. Z Less than 50,000 metric tons.

¹ Based on apparent consumption of coal, lignite, petroleum products, natural gas, and hydro and nuclear electricity.

² Comprises production by utilities generating primarily for public use, and production by industrial establishments generating primarily for own use. Relates to production at generating centers, including station use and transmission losses.

³ Includes shale oil, but excludes natural gasoline.

⁴ Excludes lignite and brown coal, except as noted.

⁵ Net production, i.e. excluding station use.

⁶ Year ending June 30.

⁷ Includes gas condensates.

⁸ Excludes production by industrial establishments for own use.

⁹ Data from U.S. Bureau of Mines. ¹⁰ Includes lignite and brown coal.

¹¹ Source: U.S. Bureau of the Census. Data from Republic of China publications. ¹² For 1978. ¹³ For 1979. ¹⁴ Includes slurries. ¹⁵ Year ending Sept. 30. ¹⁶ Includes Monaco. ¹⁷ Includes low grade coal at its hard-coal equivalent.

¹⁸ Year beginning April. ¹⁹ Year beginning March 21. ²⁰ Data from OPEC. ²¹ Includes estimated production in the occupied Sinai Peninsula (1970, 4.9 million metric tons). ²² Includes San Marino. ²³ Includes brown coal. ²⁴ Includes share of production and consumption in the Neutral Zone. ²⁵ Includes Bangladesh. ²⁶ Includes Botswana, Lesotho, Namibia, and Swaziland. ²⁷ Includes Liechtenstein. ²⁸ Abu Dhabi only.

Source: Except as noted, Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook* (copyright); and 1979 *Yearbook of World Energy Statistics*. (Copyright.)

No. 1566. WHEAT AND RICE—PRODUCTION, BY COUNTRY: 1971 TO 1980

[In thousands of metric tons. Rice data cover rough and paddy, except as noted. Data for each country pertain to the calendar year in which all or most of the crop was harvested. See text, p. 864, for general comments concerning quality of the data]

COUNTRY	WHEAT					RICE				
	1971- 1975, average	1977	1978	1979	1980	1971- 1975, average	1977	1978	1979	1980
World, total	358,794	390,697	449,372	428,065	444,534	329,180	369,729	385,885	376,378	399,779
United States	47,792	55,420	48,322	58,080	64,492	4,579	4,501	6,040	5,985	6,580
Afghanistan	2,533	2,652	2,813	2,663	2,700	405	400	428	439	421
Argentina	6,936	5,390	8,100	8,100	7,830	302	320	310	312	266
Australia	10,104	9,370	18,086	15,697	10,800	331	530	490	692	613
Austria	965	1,072	1,195	850	1,201	(1)	(1)	(NA)	(NA)	(NA)
Bangladesh	109	258	348	494	1,200	16,793	19,441	19,582	18,403	20,890
Belgium	2,858	2,795	2,022	2,015	2,877	(1)	(NA)	(NA)	(NA)	(NA)
Brazil	1,934	2,066	2,691	2,927	2,614	7,012	8,994	7,296	7,589	9,746
Bulgaria	3,123	3,028	3,466	3,355	3,700	63	68	61	73	75
Burma	39	75	92	41	74	8,366	9,462	10,500	10,446	13,317
Canada	15,092	19,862	21,146	17,185	19,131	(1)	(NA)	(NA)	(NA)	(NA)
Chile	1,050	1,219	893	995	966	64	120	105	181	85
China:										
Mainland ^a	36,601	45,001	52,002	52,803	54,158	121,532	129,470	138,202	146,967	142,301
Colombia	58	29	38	42	41	1,231	1,307	1,715	1,933	1,692
Cuba	(1)	(1)	(NA)	(NA)	(NA)	375	459	458	425	500
Czechoslovakia	4,880	5,214	5,601	3,736	5,100	(1)	(1)	(NA)	(NA)	(NA)
Denmark	566	606	642	589	648	(1)	(1)	(NA)	(NA)	(NA)
Ecuador	57	40	29	31	23	241	238	233	303	355
Egypt	1,821	1,699	1,943	1,856	1,796	2,396	2,275	2,358	2,507	2,348
Ethiopia	648	605	429	449	469	(1)	(1)	(NA)	(NA)	(NA)
Finland	516	295	241	208	284	(1)	(1)	(NA)	(NA)	(NA)
France	17,022	17,350	20,970	19,393	23,668	56	23	35	20	27
German Dem. Rep.	2,797	2,914	3,147	3,116	3,600	(1)	(1)	(NA)	(NA)	(NA)
Germany, Fed.										
Rep.	7,132	7,235	8,118	8,061	8,156	(1)	(1)	(NA)	(NA)	(NA)
Greece	1,934	1,768	2,660	2,397	2,931	87	94	93	93	78
Hungary	4,299	5,319	5,677	3,709	5,600	64	35	23	41	30
India	24,172	29,010	31,749	35,508	31,664	64,510	79,006	80,660	63,611	83,000
Indonesia	(1)	(1)	(NA)	(NA)	(NA)	21,151	23,356	25,781	26,283	26,680
Iran	4,644	5,517	5,700	5,800	6,000	1,265	1,400	1,280	1,420	1,150
Iraq	1,318	696	910	880	1,300	172	199	172	284	220
Ireland	264	250	247	260	235	(1)	(1)	(NA)	(NA)	(NA)
Israel	252	220	169	133	250	(1)	(1)	(NA)	(NA)	(NA)
Italy	9,528	6,347	9,332	9,140	9,291	950	693	979	1,014	911
Japan	280	236	367	541	583	15,689	17,000	16,349	14,948	12,189
Kampuchea	(1)	(1)	(NA)	(NA)	(NA)	1,569	1,800	1,500	850	1,000
Korea, Dem. Rep.	292	310	350	370	380	3,195	4,610	4,500	4,800	4,800
Korea, Rep. ^b										
Republic of	123	45	36	42	92	5,915	8,291	8,352	7,881	6,000
Lao.s	(1)	(1)	(NA)	(NA)	(NA)	865	847	796	925	1,000
Madagascar	(1)	(1)	(1)	(1)	(1)	1,855	2,154	1,914	2,250	2,327
Malaysia	(1)	(1)	(NA)	(NA)	(NA)	1,942	1,922	1,498	2,098	2,129
Mexico	2,264	2,456	2,785	2,339	2,645	476	567	402	500	483
Nepal	275	362	411	415	440	2,365	2,282	2,339	2,060	2,444
Netherlands	676	661	792	836	882	(1)	(1)	(NA)	(NA)	(NA)
New Zealand	297	354	329	295	325	(1)	(1)	(NA)	(NA)	(NA)
Pakistan	7,222	9,144	8,367	9,950	10,805	3,598	4,424	4,908	4,824	4,800
Panama	(1)	(1)	(NA)	(NA)	(NA)	157	186	182	170	199
Peru	124	120	113	104	85	516	587	468	557	423
Philippines	(1)	(1)	(NA)	(NA)	(NA)	5,386	6,895	7,198	7,236	7,431
Poland	5,805	5,308	6,029	4,187	4,200	(1)	(1)	(NA)	(NA)	(NA)
Portugal	624	229	255	233	377	151	112	135	135	155
Romania	5,399	6,463	6,243	4,676	6,470	57	47	58	60	65
South Africa	1,735	1,850	1,690	2,090	1,470	3	3	3	3	3
Soviet Union	88,935	92,165	120,824	90,211	98,100	1,753	2,217	2,096	2,394	2,600
Spain	4,564	4,064	4,806	4,082	5,901	368	379	401	427	433
Sri Lanka	(1)	(1)	(NA)	(NA)	(NA)	1,355	1,677	1,890	1,917	2,383
Sweden	1,362	1,522	1,290	1,020	1,291	(1)	(1)	(NA)	(NA)	(NA)
Switzerland	368	323	408	425	403	(1)	(1)	(NA)	(NA)	(NA)
Syria	1,249	1,217	1,651	1,319	2,229	(1)	(1)	(NA)	(NA)	(NA)
Thailand	(1)	(1)	(NA)	(NA)	(NA)	13,948	13,921	17,530	15,758	18,000
Turkey	12,372	16,720	16,764	17,819	17,455	248	270	305	363	367
United Kingdom	5,045	5,274	6,613	7,170	8,147	(1)	(1)	(NA)	(NA)	(NA)
Uruguay	354	173	174	430	300	148	228	226	248	289
Venezuela	1	1	1	1	1	256	496	502	653	681
Vietnam	(1)	(1)	(NA)	(NA)	(NA)	10,732	10,885	10,040	10,742	10,000
Yugoslavia	5,177	5,595	5,355	4,512	5,078	33	36	34	34	34

NA. Not available.

^a None or negligible.^b Includes Luxembourg.^c FAO estimate.

Source: Food and Agriculture Organization of the United Nations, Rome, Italy, 1980 FAO Production Yearbook, vol. 34, (copyright).

No. 1567. CORN, MEAT, AND SUGAR—PRODUCTION, BY COUNTRY: 1971 TO 1980

[In thousands of metric tons. Data for each country pertain to the calendar year in which all or most of the crop was harvested. See text, p. 864, for general comments concerning the data.]

COUNTRY	CORN			MEAT ¹		SUGAR ²		
	1978	1979	1980	1971– 1976, average	1977	1978	1978	1979
World, total.....	390,104	418,598	392,249	93,407	102,494	104,360	90,258	88,329
United States.....	184,614	201,655	168,855	16,936	18,013	17,605	5,353	5,096
Argentina.....	9,500	8,700	6,410	2,683	3,269	3,540	1,397	1,411
Australia.....	130	169	127	2,268	2,722	2,843	2,902	2,963
Austria.....	1,166	1,347	1,293	460	492	4504	357	397
Belgium ³	37	37	35	855	872	921	728	830
Brazil.....	13,569	16,309	20,377	2,909	3,343	3,148	7,767	7,020
Bulgaria.....	2,236	3,223	4,300	387	453	4466	180	240
Canada.....	4,032	4,983	5,462	1,578	1,687	1,635	123	133
Chile.....	257	489	405	247	253	248	132	104
China: Mainland ⁴	53,107	60,099	59,705	13,899	16,536	17,017	3,213	3,582
Colombia.....	862	870	813	1,518	1,531	1,547	1,027	1,105
Cuba.....	495	495	495	4,200	4,202	4,208	7,457	8,048
Czechoslovakia.....	619	949	700	1,053	1,136	1,214	885	920
Denmark.....	(NA)	(NA)	(NA)	962	987	1,031	442	492
Dominican Republic.....	49	38	49	55	59	62	1,199	1,200
Egypt.....	3,117	2,938	3,230	273	284	292	635	668
El Salvador.....	507	523	537	641	47	48	288	277
Ethiopia.....	982	1,067	1,144	337	438	434	157	166
France.....	9,531	10,222	9,219	3,382	3,414	4,3,507	4,065	4,313
German Dem. Rep.	2	6	12	1,395	1,608	4,1,616	780	720
Germany, Fed. Rep. of.....	617	741	672	3,651	3,856	3,999	2,997	3,087
Ghana.....	340	365	339	1,32	1,27	1,29	8	6
Greece.....	537	731	1,223	306	343	341	354	311
Guatemala.....	906	941	1,058	77	83	93	410	377
Hungary.....	6,655	7,396	4,7000	894	1,002	4,1,031	551	510
India.....	6,199	5,578	6,400	4,620	4,642	4,646	7,018	6,367
Indonesia.....	4,029	3,606	3,600	301	4,326	4,328	1,105	1,307
Iran.....	60	57	460	1,331	1,358	1,366	620	450
Ireland.....	(NA)	(NA)	(NA)	469	551	556	204	190
Italy.....	6,221	6,260	6,493	1,812	2,000	2,075	1,620	1,707
Japan.....	7	5	3	1,288	1,526	4,1,590	712	710
Kenya.....	2,169	1,800	4,1,900	161	164	4,181	258	322
Malaysia.....	12	13	13	762	763	762	55	75
Mexico.....	10,930	8,124	11,081	899	1,028	1,033	3,072	3,078
Morocco.....	390	312	333	159	133	135	398	345
Netherlands.....	5	5	5	1,221	1,369	1,444	1,034	915
Nigeria.....	4,1480	4,1,500	4,1,550	314	4,330	4,339	31	35
Pakistan.....	799	875	963	424	559	4,570	936	660
Peru.....	623	646	425	190	182	186	856	715
Philippines.....	2,855	3,167	3,117	484	518	535	2,335	2,269
Poland.....	119	181	91	2,261	2,279	2,601	1,763	1,724
Portugal.....	499	456	468	224	249	252	10	10
Romania.....	10,208	12,425	11,180	978	1,165	4,1,108	603	570
South Africa.....	9,930	8,240	10,230	683	708	744	2,082	2,079
Soviet Union.....	8,951	6,373	9,700	12,258	12,732	4,13,085	9,100	7,500
Spain.....	1,969	2,212	2,297	1,106	1,310	1,358	1,143	719
Sweden.....	(NA)	(NA)	(NA)	417	455	459	327	358
Switzerland.....	105	134	108	374	413	4417	99	108
Thailand.....	2,791	3,300	3,150	4,365	4,352	4,363	1,624	1,845
Turkey.....	1,300	1,350	1,150	563	616	624	1,079	1,052
Uganda.....	4,660	4,500	4,500	84	4,83	4,94	10	4
United Kingdom.....	2	1	41	2,186	2,133	2,005	1,111	1,254
Uruguay.....	172	71	119	393	404	405	102	73
Venezuela.....	804	848	584	313	372	384	402	351
Vietnam.....	485	475	4520	4,470	4,511	4,550	87	102
Yugoslavia.....	7,585	10,084	9,106	850	1,048	4,1,057	753	851
Zaire.....	500	430	4500	655	459	4,60	52	55
Zimbabwe.....	1,616	1,200	1,600	4,163	4,189	4,171	309	299

NA Not available. ¹ Beef and veal (incl. buffalo meat), pork (incl. bacon and ham), and mutton and lamb (incl. goat meat). Refers to meat from animals slaughtered within the national boundaries irrespective of origin of animals, and relates to commercial and farm slaughter. In terms of carcass weight. Excludes lard, tallow, and edible offals, except as noted. ² Beet and cane. Data generally in terms of raw sugar. ³ Year ending June 30. ⁴ FAO estimate. ⁵ Includes Luxembourg for corn and meat. ⁶ Excludes data for 1971. ⁷ West Malaysia only.

Source: Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook*, (copyright), and Food and Agriculture Organization of the United Nations, Rome, Italy, 1980 *FAO Production Yearbook*, vol. 34, (copyright).

NO. 1568. FOREIGN TRADE AND TRANSPORTATION—SHIPPING, RAILWAYS, AVIATION, AND MOTOR VEHICLES, BY COUNTRY

[See text, p. 864, for general comments about the data. Statistical coverage of all these items varies considerably among countries; for details, see source]

COUNTRY	FOREIGN TRADE, ¹ 1977		SHIPPING		RAIL TRAFFIC, ⁴ 1977		Civil aviation, kilometers flown, ⁵ 1977 (mil.)	Motor vehicles in use, ⁶ 1977 (1,000)	
	Imports (mil. dol.)	Exports (mil. dol.)	Merchant shipping fleets, ² 1978 (1,000 gross tons)	Freight, ³ 1977 (mil. metric tons)		Passenger-kilometers (mil.)	Freight, net-ton kilometers (mil.)		
				Loaded	Unloaded				
World, total.....	⁷ ⁸ 1,154,600	⁷ ⁸ 1,124,500	405,002	(NA)	(NA)	(NA)	(NA)	8,090 362,070	
United States.....	156,758	119,042	⁹ 16,188	¹⁰ ¹¹ 250.2	¹⁰ ¹¹ 568.1	¹² 16,565	¹² 1,206,366	3,892.0 ¹³ 135,155	
Algeria.....	7,126	5,809	1,152	¹³ 46.3	¹³ 9.7	1,506	1,940	24.0 ¹⁴ 441	
Angola.....	¹⁵ 625	¹⁵ 1,227	(NA)	¹⁵ 10.0	¹⁵ 4.0	418	5,461	(NA) ¹⁶ 163	
Argentina.....	4,162	5,650	2,001	¹⁷ 23.8	¹⁷ 10.6	12,011	11,567	73.0 ¹⁵ 2,907	
Australia.....	¹⁶ 12,175	13,002	1,532	¹⁹ 166.2	¹⁹ 25.4	(NA)	¹¹ 32,028	186.7 6,880	
Austria.....	14,243	9,808	(NA)	(NA)	(NA)	¹⁸ 6,712	¹⁸ 10,685	17.7 2,387	
Belgium.....	²⁰ 40,142	²⁰ 37,457	304	38.7	57.8	7,667	6,468	48.2 ¹⁷ 1,168	
Brazil.....	13,230	12,055	3,702	¹⁷ 81.9	¹³ ¹⁷ 61.7	11,699	60,721	171.3 ¹³ 7,314	
Bulgaria.....	6,329	6,329	1,082	2.9	19.1	7,343	17,080	10.6 (NA)	
Canada.....	¹⁸ 39,561	41,452	⁹ 2,954	¹¹ 119.8	¹¹ 58.9	2,966	212,416	282.3 ¹⁵ 11,333	
Chile.....	2,035	2,190	466	¹⁸ ¹⁷ 9.9	¹⁷ ²¹ 6.2	2,382	2,207	21.5 479	
China:									
Mainland.....	(NA)	(NA)	6,788	(NA)	(NA)	(NA)	²² 301,000	(NA) (NA)	
Taiwan ²³ ²⁴	11,027	12,687	1,603	10.1	44.1	8,004	2,647	34.1 432	
Colombia.....	1,563	2,302	272	¹⁷ 1.5	¹⁷ 3.7	¹⁷ 511	1,215	45.8 ²⁵ 558	
Cuba.....	¹⁸ 4,066	¹⁸ 3,573	779	¹⁸ 6.1	¹⁸ 13.1	¹⁸ 767	¹⁸ 1,848	11.1 ¹³ 120	
Czechoslovakia.....	¹⁸ 11,149	10,818	151	(NA)	(NA)	19,172	71,550	28.6 2,118	
Denmark.....	13,239	10,117	5,530	7.1	33.2	²⁶ 3,486	²⁶ 1,921	38.4 1,656	
Dominican Republic.....	¹⁸ 848	794	(NA)	2.4	3.4	(NA)	(NA)	(NA) ¹⁸ 117	
Ecuador.....	¹⁸ 993	1,218	201	¹⁷ 9.4	¹⁷ 3.8	¹⁴ 65	¹⁴ 46	14.2 ¹⁴ 129	
Egypt.....	²⁷ 4,808	1,726	456	6.4	10.8	¹⁸ 8,748	¹⁸ 2,201	23.1 347	
Finland.....	7,603	7,670	2,359	14.1	25.6	2,977	6,399	28.3 1,220	
France.....	70,498	63,560	12,197	34.8	183.9	51,804	66,228	270.0 10,340	
German Dem. Rep.....	⁸ ¹⁸ 14,344	⁸ 12,024	1,540	3.5	11.9	22,350	58,228	(NA) 2,807	
Germany, Fed. Rep. of.....	100,672	117,895	9,737	32.4	104.2	36,543	35,712	181.5 21,410	
Ghana.....	¹⁵ 862	¹⁵ 811	186	¹³ 2.3	¹³ 3.1	²¹ 431	²¹ 305	3.5 ²² 122	
Greece.....	6,778	2,724	33,956	14.6	24.1	1,623	²⁸ 855	39.2 895	
Hong Kong.....	10,457	9,626	875	6.5	19.1	279	(NA)	49 (NA) 182	
Hungary.....	6,522	5,832	(NA)	(NA)	(NA)	13,024	23,557	12.4 974	
India.....	6,593	6,222	5,759	¹³ ²⁸ 36.2	¹³ ²⁶ 29.0	¹³ ²⁶ 163,836	¹³ ²⁸ 144,030	80.1 1,496	
Indonesia.....	6,230	10,853	1,272	¹⁷ 95.3	¹⁷ 13.9	3,809	853	72.3 806	
Iran.....	13,750	24,245	1,195	¹³ ²⁹ 191.2	¹³ ²⁹ 13.6	¹³ ³¹ 3,511	¹⁸ 4,627	44.0 1,137	
Iraq.....	3,898	9,664	1,306	36.0	4.1	²⁶ 797	²⁶ 2,254	13.9 225	
Ireland.....	5,378	4,396	212	(NA)	(NA)	873	596	20.0 636	
Israel.....	4,663	2,959	421	³⁰ 4.7	³⁰ 5.0	13,280	535	33.7 420	
Italy.....	47,580	45,063	7,036	36.4	217.6	38,361	17,100	137.9 ¹³ 17,607	
Ivory Coast.....	1,782	2,156	157	³¹ 3.1	³¹ 4.7	1,172	551	2.6 ¹³ 128	
Jamaica.....	861	856	(NA)	¹³ ³¹ 7.6	¹³ ³¹ 2.6	83	186	13.3 (NA)	
Japan.....	70,660	80,470	39,182	78.6	582.3	311,859	41,317	296.6 31,379	
Korea, Rep. of.....	10,811	10,047	2,975	16.8	51.5	¹³ 14,305	¹³ 9,728	42.3 271	
Kuwait.....	4,484	³² 9,798	2,240	¹³ ³² 103.4	¹³ ³² 1.9	(NA)	(NA)	15.7 381	
Lebanon.....	¹⁵ 1,224	¹⁶ 497	278	¹⁵ 25.8	¹⁶ 4.4	¹⁵ 2	¹⁵ 42	42.6 ¹⁵ 244	
Liberia.....	464	447	80,191	¹³ 20.5	¹³ 1.3	(NA)	(NA)	(NA) ¹⁵ 22	
Libya.....	¹⁸ 3,212	10,113	885	92.9	¹⁴ 9.6	(NA)	(NA)	10.4 ¹⁴ 394	
Malaysia.....	³³ ³⁴ 4,024	4,565	552	³¹ ³³ 8.3	³¹ ³³ 11.5	³³ ³⁵ 1,273	³³ ³⁵ 1,210	29.9 ³² 658	
Mexico.....	5,489	³⁶ 4,066	727	19.6	9.4	5,040	36,232	105.8 3,760	
Morocco.....	3,194	1,300	341	18.4	8.2	835	3,474	24.0 ¹⁴ 493	
Netherlands.....	45,616	43,703	5,180	77.0	248.1	8,013	2,805	99.4 4,206	
New Zealand.....	3,363	3,142	211	³⁷ 9.2	³⁷ 10.2	³⁸ 497	³⁸ 3,723	48.1 ¹⁸ 1,402	
Nigeria.....	11,306	11,823	324	¹³ 101.2	¹³ 5.0	¹⁵ ²⁶ 785	¹⁵ ²⁶ 972	17.6 ¹⁶ 232	

See footnotes at end of table.

NO. 1568. FOREIGN TRADE AND TRANSPORTATION—SHIPPING, RAILWAYS, AVIATION, AND MOTOR VEHICLES, BY COUNTRY—Continued

[See text, p. 864, for general comments about the data. Statistical coverage of all these items varies considerably among countries; for details, see source]

COUNTRY	FOREIGN TRADE, ¹ 1977		SHIPPING		RAIL TRAFFIC, ⁴ 1977		Civil aviation, kilometers flown, ⁵ 1977 (mi.)	Motor vehicles in use, ⁶ 1977 (1,000)	
	Imports (mil. dol.)	Exports (mil. dol.)	Merchant shipping fleets, ³ 1978 (1,000 gross tons)	Freight, ⁸ 1977 (mil. metric tons)		Passenger-kilometers (mil.)	Freight, net-ton kilometers (mil.)		
				Loaded	Unloaded				
Norway.....	12,877	8,717	26,128	17 29.8	17 21.8	2,004	2,567	53.9	
Pakistan.....	2,447	1,149	442	19 2.4	19 7.2	10 12,993	10 30 3,677	39.1	
Panama.....	13 840	13 237	20,749	1.2	3.4	(NA)	(NA)	8.1	
Peru.....	1,614	1,433	575	17 10.4	17 5.8	13 528	612	23.9	
Philippines.....	4,270	3,151	1,285	2.4	7.2	682	49	43.5	
Poland.....	18 14,674	12,336	3,491	37.8	24.0	44,312	135,406	29.4	
Portugal.....	4,963	2,023	1,240	4.3	15.7	4,151	885	34.6	
Romania.....	13 18 6,025	13 6,138	1,428	90 40 4.3	40 4.9	28 23,206	70,035	19.4	
Saudi Arabia.....	14,651	32 43,485	1,246	15 32 410.0	13 32 9.3	15 72	16 66	56.1	
Singapore.....	10,471	8,241	7,489	24.7	40.5	(34)	(34)	46.8	
South Africa.....	18 5,893	6,158	661	30.3	30 8.0	(NA)	20 42 69,330	57.1	
Soviet Union.....	18 40,817	45,161	22,262	17 154.0	17 33.1	322,205	3,330,902	(NA)	
Spain.....	17,846	10,230	8,056	23.8	84.2	13 16,686	13 9,842	7,103	
Sri Lanka.....	695	763	93	1.2	3.6	43 2,792	43 214	6.6	
Sweden.....	19,565	18,823	6,508	30.8	52.8	5,563	14,782	62.5	
Switzerland.....	17,979	17,682	231	(NA)	(NA)	9,240	6,324	89.3	
Syria.....	2,657	1,063	(NA)	8.8	7.7	269	426	11.4	
Thailand.....	4,635	3,484	335	11.8	14.4	13 5,628	13 2,505	31.8	
Trinidad and Tobago.....	1,809	2,180	(NA)	20.8	14.9	(NA)	(NA)	13.7	
Tunisia.....	1,825	921	(NA)	4.4	6.6	28 709	1,331	11.5	
Turkey.....	5,694	1,753	1,359	6.7	20.5	5,087	6,353	23.1	
United Kingdom.....	63,677	57,547	30,887	77.6	158.2	44 29,280	44 22,728	334.6	
Uruguay.....	730	608	174	.5	2.4	369	307	3.6	
Venezuela.....	13 18 6,023	13 9,299	824	16 17 189.9	14 17 6.7	22 42	22 15	43.6	
Yugoslavia.....	9,634	5,254	2,366	4.7	16.5	10,459	22,225	31.9	
Zaire.....	609	981	110	13 .5	13 .7	13 467	13 2,203	11.8	
Zambia.....	18 670	897	(NA)	(NA)	(NA)	(NA)	(NA)	8.6	

NA Not available. ¹ Covers merchandise, including silver (except current coin); excludes gold and issued paper currency. Imports generally valued c.i.f. (cost, insurance, and freight); exports, f.o.b. (free on board). Generally includes government trade (including foreign aid, war reparations, and military goods), trade of foreign concessionaires, and postal trade. See source for "general trade" or "special trade" distinctions. Roughly half the countries shown fall into each category, thus affecting comparability.

² As of June 30. Represents gross registered tons (see text, p. 640). Excludes vessels without mechanical means of propulsion; includes sailing vessels with auxiliary power. ³ Represents weight of all goods (including their packing) in external trade loaded to and unloaded from seagoing vessels of all flags at ports of country specified. For most countries, excludes bunkers, ships' stores, ballast, and transhipment (goods transshipped from an importing vessel to an exporting vessel).

⁴ Relates to domestic and international traffic on all railway lines within each country shown, excluding railways entirely within an urban unit and plantation, industrial mining, funicular, and cable railways. In general, passenger-kilometers include all passengers except military, government, and railway personnel when carried without revenue; ton-kilometers relate to freight net ton-kilometers and include all goods whether carried by fast or ordinary trains except service traffic, mail, baggage, and nonrevenue governmental stores. ⁵ Covers both domestic and international scheduled services operated by companies registered in each country. Includes supplementary services occasioned by overflow traffic on regularly scheduled trips and preparatory flights for new scheduled services. ⁶ Represents officially estimated number of vehicles in use. Includes passenger cars and commercial vehicles. For most countries shown, excludes 2- and 3-wheeled cycles and motorcycles, trams, trolley buses, ambulances, hearses, military vehicles, police and special purpose or government security vehicles, trailers, and farm tractors.

⁷ Excludes trade among each of the following countries: People's Republic of China, Mongolia, and Dem. People's Rep. of Korea. ⁸ Includes trade between the Federal Republic of Germany and German Democratic Republic. ⁹ Includes the Great Lakes. ¹⁰ Excludes traffic with U.S. Virgin Islands. ¹¹ Includes Great Lakes and St. Lawrence River international traffic. ¹² Class I railways only. ¹³ For 1976. ¹⁴ For 1975. ¹⁵ For 1974. ¹⁶ For 1973. ¹⁷ Excludes transit traffic and packing. ¹⁸ Imports f.o.b. ¹⁹ Year ending June 30. ²⁰ Includes Luxembourg. ²¹ For 1972. ²² For 1971. ²³ Source: U.S. Bureau of the Census. Data from Republic of China publications. ²⁴ For 1978. ²⁵ Includes vehicles no longer in circulation. ²⁶ Year beginning Apr. 1. ²⁷ Excludes crude petroleum imported without stated value. ²⁸ Includes military traffic. ²⁹ Year beginning Mar. 21. ³⁰ Excludes petroleum. ³¹ Includes coastwise traffic. ³² Includes petroleum from neutral zone. ³³ West Malaysia only. ³⁴ Includes intertrade between Malaysian States. ³⁵ Data for Singapore included in Malaysia. ³⁶ Excludes silver. ³⁷ Million manifest tons. ³⁸ Year ending Mar. 31. ³⁹ Year beginning July 1. ⁴⁰ For 1970. ⁴¹ Commercial vehicles only. ⁴² Includes Namibia. ⁴³ Year ending Sept. 30. ⁴⁴ Excludes Northern Ireland.

Source: Except as noted, Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook* (copyright).

NO. 1569. COMMUNICATIONS—TELEPHONES, MAIL, NEWSPAPERS, RADIO, AND TELEVISION, BY COUNTRY

(See text, p. 864, for general comments about the data. For additional data qualifications for countries, see source)

COUNTRY	Telephones in use, ¹ 1978 (1,000)	Telephones per 100 popula- tion, 1978	Pieces of mail sent, domestic, ² 1978 (millions)	DAILY NEWSPAPERS, ³ 1977		RECEIVING SETS, 1977	
				Number	Circulation		Radios per 1,000 popula- tion ⁴
					Total (1,000)	Copies per 1,000 popula- tion	
World, total.....	448,201	10.5	(NA)	(NA)	(NA)	(NA)	(NA)
United States.....	169,027	77.0	878 88,970	1,829	62,159	287	2,048
Algeria.....	346	1.9	219	4	236	13	9 173
Argentina.....	2,404	9.1	9620	9 142	2,682	(NA)	384
Australia.....	6,266	44.0	11 2,282	60	4,365	310	1,037
Austria.....	12 2,443	12 32.5	1,673	31	2,529	336	13 275
Bangladesh.....	101	.1	261	8 28	0 14 350	(NA)	6
Belgium.....	3,271	33.2	2,941	27	2,368	241	10 415
Bolivia.....	16 49	15.9	6	9 13	0 150	9 26	74
Brazil.....	5,525	4.5	2,760	9 259	4,895	9 45	7 158
Bulgaria.....	1,032	11.6	(NA)	12	2,083	237	13 148
Burma.....	34	.1	79	8 7	9 329	9 11	22
Canada.....	15,283	64.8	16 5,867	122	5,150	221	1,043
Chile.....	12 467	12 4.8	8 86	42	(NA)	(NA)	188
China:							
Mainland.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	17 16
Taiwan ¹⁸	2,098	12.2	734	9 31	(NA)	(NA)	9 90
Colombia.....	1,410	5.4	10 119	9 42	9 20 1,330	(NA)	117
Costa Rica.....	175	8.2	12 9	9 6	9 210	9 104	75
Cuba.....	12 321	12 3.3	8 61	9 16	(NA)	(NA)	197
Cyprus.....	92	15.0	14	9 13	9 21 72	(NA)	331
Czechoslovakia.....	2,981	19.6	15 22 2,216	29	4,453	298	13 248
Denmark.....	23 2,907	23 56.9	12 16 2,268	49	1,840	362	825
Dominican Republic.....	12 139	12 2.8	7 6	9 10	9 24 208	(NA)	42
Ecuador.....	240	3.0	12 7	23 37	9 25 350	23 46	17 279
Egypt.....	12 473	12 1.2	185	9 10	9 3,012	9 79	136
El Salvador.....	78	1.8	20 11	9 12	9 27 331	(NA)	333
Ethiopia.....	80	.3	22 12	2	35	1	7
Finland.....	2,127	44.7	643	59	2,235	472	13 398
France.....	19,870	37.2	12 11,801	96	10,863	205	9 13 330
German Dem. Rep.	2,956	17.6	958	39	8,317	496	895
Germany, Fed. Rep. of.....	24,743	40.4	12 12,368	412	25,968	423	9 11 332
Ghana.....	65	.7	16 58	8 4	9 435	9 42	105
Greece.....	2,487	26.6	294	112	(NA)	(NA)	286
Guatemala.....	12 71	12 1.2	9 27	9 9	9 25 214	(NA)	43
Honduras.....	9 19	.7	22	9 8	9 25 140	(NA)	9 57
Hong Kong.....	12 1,251	12 27.8	16 174	83	14 1,393	(NA)	556
Hungary.....	1,143	10.7	8 1,647	27	2,585	243	13 242
Iceland.....	100	44.4	8 19	6	123	554	13 293
India.....	12 2,096	12 3	16 7,707	929	20 10,672	(NA)	13 33
Indonesia.....	12 347	12 3	208	9 178	9 30 2,358	(NA)	37
Iran.....	12 829	12 2.3	8 1,858	9 23	9 32 473	(NA)	62
Iraq.....	12 320	12 2.6	46	9 7	9 25 202	(NA)	168
Ireland.....	554	17.2	8 12 16 320	7	702	220	9 300
Israel.....	993	27.1	12 16 316	9 24	9 32 801	9 231	208
Italy.....	17,088	30.1	5,190	72	5,491	97	13 236
Jamaica.....	12 111	12 5.3	12 68	3	101	49	9 270
Japan.....	48,646	42.4	12 16 12,417	177	62,221	546	571
Kampuchea.....	7 71	7 11.2	15 1	9 17	(NA)	(NA)	7 14
Kenya.....	155	1.0	26 110	9 3	9 154	9 11	37
Korea, Republic of.....	2,387	6.5	780	44	7,169	197	400
Kuwait.....	170	14.3	16 6	7	180	159	487
Lebanon.....	17 192	17 6.8	(NA)	9 33	9 32 281	(NA)	9 540
Luxembourg.....	192	53.9	49	9 7	9 34 150	(NA)	506
Madagascar.....	12 29	12 4	100	12	(NA)	(NA)	120
Malaysia.....	434	3.3	8 35 377	9 37	9 20 1,834	(NA)	119
Mexico.....	4,140	6.2	9 1,058	352	9 36 3,994	(NA)	7 301
Morocco.....	216	1.1	105	9 10	9 24 190	(NA)	88
Netherlands.....	6,341	45.3	3,913	9 67	9 21 4,371	(NA)	614
New Zealand.....	1,715	54.5	8 18 588	9 39	9 38 848	(NA)	878
Nigeria.....	12 128	12 2	8 976	9 19	9 39 527	(NA)	7

See footnotes at end of table.

Communications

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NO. 1569. COMMUNICATIONS—TELEPHONES, MAIL, NEWSPAPERS, RADIO, AND TELEVISION, BY COUNTRY—Con.

[See text, p. 864, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	Telephones in use, ¹ 1978 (1,000)	Telephones per 100 population, 1978	Pieces of mail sent, domestic, ² 1978 (millions)	DAILY NEWSPAPERS, ³ 1977			RECEIVING SETS, 1977	
				Number	Circulation		Radios per 1,000 population ⁴	Television sets per 1,000 population ⁵
					Total (1,000)	Copies per 1,000 population		
Norway.....	1,636	40.2	¹¹ 1,064	82	1,740	430	¹³ 326	¹⁰ 275
Pakistan.....	9,259	.3	¹² 552	103	⁹ ¹⁰ 965 (NA)	66	66	8
Panama.....	12,155	12.8.6	15.7	6	126	79	157	116
Paraguay.....	48	1.7	(NA)	4	106	39	67	20
Peru.....	420	2.7	(NA)	30	828	51	134	50
Philippines.....	600	1.3	(NA)	17	⁹ ¹¹ 919 (NA)	43	43	19
Poland.....	3,095	8.8	⁸ ⁹ 1,730	44	8,331	240	¹² 241	¹⁰ 207
Portugal.....	¹² 1,175	¹² 12.0	431	28	527	54	⁹ 164	⁹ ¹³ 94
Puerto Rico.....	¹² 561	¹² 16.9	(NA)	4	⁹ 430	⁹ 134	⁹ 549	162
Romania.....	⁷ 1,196	⁷ 5.6	¹² 730	34	3,711	171	¹⁰ 143	¹⁰ 146
Saudi Arabia.....	¹² 185	¹² 2.4	56	12	⁹ ¹¹ 143 (NA)	29	29	32
Singapore.....	475	20.4	123	10	497	215	¹⁰ 168	285
South Africa.....	2,320	9.8	1,483	24	⁹ 1,728	66	⁹ 96	(NA)
Soviet Union.....	⁴² 20,943	⁴² 8.0	5,925	686	102,462	396	⁷ 481	⁷ 217
Spain.....	10,311	28.0	3,618	143	4,710	128	⁹ 259	⁹ 206
Sri Lanka.....	74	.5	¹⁶ 591	22	(NA)	(NA)	72	-
Sudan.....	12,62	¹² 3	827	4	⁹ 4326 (NA)	83	83	6
Sweden.....	6,160	74.4	⁸ 2,613	112	4,358	528	1,005	¹³ 370
Switzerland.....	4,292	67.7	3,020	91	2,622	414	790	348
Syria.....	212	2.6	¹⁵ 23	7	⁹ 2865 (NA)	218	218	32
Thailand.....	409	.9	213	23	(NA)	(NA)	129	17
Trinidad and Tobago.....	¹² 75	¹² 6.7	⁴⁴ 21	3	⁹ ¹³ 144 (NA)	246	246	112
Tunisia.....	158	2.7	75	5	⁹ 46232 (NA)	143	143	36
Turkey.....	¹² 1,379	¹² 3.2	¹² 608	493	(NA)	(NA)	¹⁰ 101	¹⁰ 54
United Kingdom.....	23,182	41.5	⁸ ¹⁰ ²⁶ ⁴⁵ 9,337	(NA)	22,900	410	716	390
Uruguay.....	270	9.6	¹² 17	26	(NA)	(NA)	571	126
Venezuela.....	¹² 947	¹² 6.5	¹⁹ 202	54	2,263	178	414	120
Vietnam.....	¹⁵ 4747	¹⁵ 47.3	¹⁸ ²⁵ 4759	5	250	5	¹⁷ ⁷ 24	-
Yugoslavia.....	¹² 1,556	¹² 7.1	665	26	2,085	96	¹⁰ 209	¹⁰ 170
Zimbabwe.....	¹² 197	¹² 2.9	105	3	7116	718	⁹ 39	⁹ 11

¹ Represents zero. ² NA Not available. ³ Comprises public and private telephones installed which can be connected to a central exchange. ⁴ Items mailed for distribution within national territories. Comprises letters, postcards, printed matter, merchandise samples, small packets, and phonopost packets. Includes mail carried without charge, but excludes ordinary packages, and insured letters and boxes. ⁵ Publications containing general news and appearing at least 4 times a week; may range in size from a single sheet to 50 or more pages. Circulation data refer to average circulation per issue or number of printed copies per issue and include copies sold outside the country. ⁶ Data cover estimated number of receivers in use, except as noted, and apply to all types of receivers for radio broadcasts to the public. Including receivers connected to a radio "redistribution system" but excluding television sets. ⁷ Estimated number of sets in use, except as noted. ⁸ Includes ordinary packages as well as insured letters and boxes. ⁹ For 1975. ¹⁰ Excludes small packets. ¹¹ For 1976. ¹² 117 dailies. ¹³ Year beginning July 1. ¹⁴ Number of licenses issued. ¹⁵ For 1973. ¹⁶ Year beginning April 1. ¹⁷ For 1970. ¹⁸ Source: U.S. Bureau of the Census. Data from Republic of China publications. ¹⁹ For 1974. ²⁰ 35 dailies. ²¹ 10 or more dailies. ²² Domestic and foreign. ²³ Includes Faeroe Islands and Greenland. ²⁴ 7 dailies. ²⁵ For 1978. ²⁶ Excludes postcards. ²⁷ 9 dailies. ²⁸ 5 dailies. ²⁹ 603 dailies. ³⁰ 50 dailies. ³¹ For 1971. ³² 20 dailies. ³³ 15 dailies. ³⁴ 6 dailies. ³⁵ Data refer to West Malaysia only. ³⁶ 146 dailies. ³⁷ 56 dailies. ³⁸ 37 dailies. ³⁹ 8 dailies. ⁴⁰ 21 dailies. ⁴¹ 16 dailies. ⁴² Excludes telephone systems of the military forces. ⁴³ 2 dailies. ⁴⁴ For 1972. ⁴⁵ 4 dailies. ⁴⁶ Excludes printed matter. ⁴⁷ Data are for former Rep. of South Vietnam.

Source: Except as noted, Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook* (copyright), and United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Statistical Yearbook* (copyright).

NO. 1570. MILITARY EXPENDITURES, IN CURRENT AND CONSTANT (1977) DOLLARS: 1970 TO 1978

[In millions of dollars, except as indicated. See also table 592. Data for expenditures and for GNP were based on local currencies which were deflated to constant 1977 local currency values before conversion to U.S. dollar equivalents. In general, the rates used for conversion are the 1977 average par/market exchange rates as supplied by IBRD (International Bank for Reconstruction and Development). Data by country exclude countries with 1978 military expenditures less than 500 million dollars. See also headnote, table 1571.]

COUNTRY	CURRENT DOLLARS					CONSTANT (1977) DOLLARS			Per capita (dollars)		Percent of GNP ¹	
	1970	1975	1976	1977	1978	1970	1975	1978	1970	1978	1970	1978
World total ²	247.5	383.0	411.5	439.1	479.9	382.3	426.5	446.7	105	103	6.3	5.4
Europe ²	122.3	202.0	219.8	233.6	256.6	189.0	224.9	238.9	256	304	6.7	6.5
North America ^{2,3}	80.1	94.0	94.4	104.8	112.8	123.7	104.7	105.0	546	432	7.4	4.8
Latin America ²	3.3	6.7	5.9	6.6	7.4	5.1	7.5	6.9	18	20	1.8	1.6
Middle East ^{2,4}	7.5	25.6	30.3	29.4	32.6	11.5	28.5	30.3	115	245	10.5	13.4
East Asia ²	27.6	43.4	47.9	50.8	55.4	42.6	48.3	51.6	32	33	5.1	3.9
South Asia ²	2.1	3.7	3.9	4.1	4.8	3.2	4.2	4.5	4	5	3.2	3.3
Africa ^{2,4}	2.8	5.1	6.4	6.9	7.1	4.3	5.7	6.6	14	16	2.6	3.1
Oceania ²	1.9	2.4	2.7	2.9	3.2	2.9	2.7	3.0	180	142	3.2	2.5
United States	77,854	90,948	91,013	100,928	108,357	120,260	101,265	100,875	586	460	7.9	5.1
Argentina	467	1,012	1,081	1,026	1,567	722	1,127	1,459	30	54	1.8	3.0
Australia	1,712	2,208	2,455	2,598	2,893	2,645	2,459	2,694	208	189	3.4	2.6
Austria	256	450	497	543	649	395	502	604	53	80	1.1	1.3
Belgium	1,162	2,014	2,294	2,486	2,847	1,795	2,243	2,650	185	270	2.9	3.2
Brazil	1,273	2,525	1,671	1,668	1,743	1,967	2,812	1,623	20	13	2.3	2.9
Bulgaria	1,107	1,995	2,165	2,312	2,346	1,710	2,221	2,184	201	248	10.2	9.8
Canada	2,225	3,097	3,414	3,877	4,411	3,437	3,448	4,106	161	174	2.4	2.0
China:												
Mainland	21,364	30,593	34,024	35,000	37,596	33,000	34,063	35,000	38	34	13.5	8.5
Taiwan	775	1,113	1,242	1,597	1,867	1,198	1,240	1,831	82	107	10.6	8.3
Cuba	228	393	(NA)	784	841	352	437	782	41	80	4.9	(NA)
Czechoslovakia	2,075	3,424	3,503	3,722	4,053	3,205	3,814	3,773	224	249	6.3	5.8
Denmark	561	930	959	1,051	1,193	867	1,035	1,110	177	217	2.3	2.4
Egypt	646	924	1,148	1,359	1,354	996	1,028	1,261	30	31	12.8	8.5
France	7,832	12,209	13,362	14,965	16,587	12,099	13,594	15,442	238	289	4.2	3.9
German Dem. Rep.	2,493	4,182	4,478	4,780	5,257	3,850	4,656	4,894	225	291	6.7	6.6
Germany, Fed. Rep.	9,643	18,193	17,073	18,005	19,921	14,886	18,030	16,545	245	302	3.3	3.3
Greece	577	1,399	1,289	1,212	1,453	892	1,556	1,352	101	143	4.7	4.7
Hungary	1,116	1,612	1,576	1,606	1,793	1,723	1,794	1,669	167	156	7.2	5.5
India	1,584	2,819	2,898	3,076	3,645	2,416	3,139	3,394	4	5	3.0	3.2
Indonesia	561	1,292	1,354	1,465	1,580	867	1,439	1,480	7	10	3.3	3.1
Iran	2,045	8,646	9,521	8,747	10,598	3,160	9,827	9,366	109	270	7.8	14.2
Iraq	822	1,738	1,837	2,007	2,136	1,270	1,935	1,988	133	159	12.9	9.1
Israel	1,663	4,111	4,424	4,812	3,914	2,569	4,577	3,643	856	984	25.1	24.3
Italy	2,823	4,417	4,570	5,137	5,694	4,360	4,918	5,300	81	93	2.7	2.7
Japan	2,507	5,159	5,633	6,294	7,069	3,873	5,744	6,581	37	57	.8	.9
Korea, Dem. Peo. Rep.	576	1,800	2,001	2,112	(NA)	890	2,004	(NA)	62	(NA)	15.7	(NA)
Korea, Rep. of	435	1,112	1,568	1,906	2,269	672	1,238	2,112	20	54	3.7	5.5
Kuwait	203	721	1,073	1,115	1,028	313	803	957	392	797	2.9	5.7
Malaysia	156	465	460	611	661	241	518	615	22	46	3.2	4.5
Netherlands	1,838	2,976	3,110	3,637	3,735	2,840	3,314	3,477	218	250	3.4	3.3
Nigeria	917	1,323	1,733	1,832	1,871	1,417	1,473	1,742	25	24	5.8	4.2
Norway	579	931	1,017	1,114	1,281	894	1,037	1,192	228	290	3.5	3.3
Oman	127	668	781	686	799	197	744	744	281	930	15.9	36.0
Pakistan	446	802	860	817	907	689	893	844	10	10	5.8	5.1
Peru	202	525	613	921	751	313	584	699	23	41	3.3	5.7
Philippines	94	509	567	683	655	146	567	610	3	13	1.1	2.8
Poland	3,213	5,672	6,446	6,486	6,874	4,963	6,315	6,399	152	183	7.4	6.3
Portugal	536	690	590	576	631	828	768	587	92	59	6.5	3.3
Romania	1,741	2,768	3,059	3,198	3,455	2,689	3,104	3,216	132	146	7.1	5.0
Saudi Arabia	1,481	7,105	9,288	8,852	10,264	2,288	7,911	9,574	369	1,088	11.9	16.1
South Africa	451	1,372	1,766	1,957	1,738	696	1,528	1,618	31	59	2.3	4.2
Soviet Union	72,000	119,200	131,100	139,600	153,600	111,217	132,721	142,994	457	547	13.0	12.2
Spain	1,673	2,721	2,688	2,087	2,265	2,585	3,029	2,109	76	57	3.1	1.8
Sweden	1,681	2,424	2,532	2,668	2,932	2,597	2,699	2,730	324	328	3.6	3.4
Switzerland	829	1,083	1,199	1,293	1,357	1,281	1,205	1,283	203	200	2.1	2.0
Syria	282	924	965	1,047	1,176	436	1,029	1,095	69	133	11.7	15.7
Thailand	229	385	480	611	720	355	429	670	9	14	3.0	3.3
Turkey	815	1,715	2,398	2,577	2,576	1,259	1,909	2,398	35	54	4.2	4.6
United Arab Emirates	(NA)	86	594	657	686	(NA)	96	639	(NA)	799	(NA)	5.8
United Kingdom	6,655	10,544	11,457	11,907	12,951	10,281	11,740	12,057	185	215	4.7	4.8
Venezuela	281	557	566	636	652	435	620	607	40	43	1.9	1.6
Yugoslavia	741	1,645	1,791	1,928	2,330	1,145	1,831	2,189	56	98	3.5	4.2

¹ NA Not available.¹ Military expenditures as percent of gross national product.² In billions of dollars, except per capita and percent. World and regional totals include countries not listed.³ U.S. and Canada only.⁴ Egypt assigned to Middle East rather than to Africa.Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

Armed Forces Personnel

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NO. 1571. ARMED FORCES PERSONNEL—TOTAL AND PER 1,000 PERSONS, BY COUNTRY: 1970 TO 1978

[Personnel data as of July. Armed Forces refer to active-duty military personnel, including paramilitary forces where those forces resemble regular units in their organization, equipment, training, or mission. Reserve forces are not included. Countries which became independent during period shown are normally included beginning with first year in which they were independent for more than six months]

COUNTRY	ARMED FORCES PERSONNEL (1,000)						ARMED FORCES PER 1,000 POPULATION					
	1970	1974	1975	1976	1977	1978	1970	1974	1975	1976	1977	1978
World total	24,916	27,287	26,447	26,297	26,259	26,639	6.9	6.8	6.5	6.3	6.2	6.2
Europe												
North America ¹	9,595	9,957	9,925	9,710	9,712	9,730	13.0	13.1	12.9	12.5	12.5	12.4
3,165	2,250	2,207	2,179	2,180	2,180	14.0	9.6	9.3	9.2	9.1	9.0	9.0
Latin America	1,117	1,248	1,297	1,328	1,436	1,500	4.0	4.1	4.1	4.1	4.3	4.4
Middle East ²	978	1,405	1,684	1,751	1,494	1,468	9.8	12.6	14.6	14.8	12.3	11.9
East Asia	7,128	9,888	7,801	7,795	7,850	8,234	5.5	6.3	5.4	5.2	5.2	5.4
South Asia	2,070	2,400	2,452	2,362	2,182	2,102	3.2	3.0	3.0	2.8	2.6	2.4
Africa ²	762	957	998	1,087	1,317	1,335	2.5	2.8	2.7	2.9	3.4	3.3
Oceania	100	81	83	86	87	87	6.3	4.7	4.7	4.2	4.2	4.2
NATO	6,311	5,486	5,253	5,028	4,978	4,926	11.8	10.0	9.5	9.0	8.8	8.7
Warsaw Pact	5,570	5,816	5,978	5,980	6,099	6,162	16.1	16.3	16.6	16.4	16.6	16.7
United States	3,070	2,170	2,130	2,100	2,100	15.0	10.2	10.0	9.8	9.7	9.6	9.6
Argentina	140	150	160	155	155	155	5.9	6.0	6.3	6.0	5.9	5.8
Australia	86	68	70	71	70	70	6.8	5.0	5.1	5.1	5.0	4.9
Austria	55	60	50	40	37	40	7.4	8.0	6.7	5.3	5.0	5.3
Belgium	110	100	87	87	85	80	11.3	10.2	8.9	8.9	8.7	9.2
Brazil	375	435	455	450	450	450	3.9	4.1	4.2	4.1	4.0	3.9
Bulgaria	175	174	175	177	177	177	164	20.6	20.0	20.1	20.1	18.6
Canada	95	80	77	78	80	80	4.5	3.6	3.4	3.4	3.4	3.4
China:												
Mainland	2,850	4,300	4,300	4,300	4,300	4,500	3.4	4.6	4.5	4.4	4.4	4.5
Taiwan	522	493	504	475	460	471	35.8	31.2	31.3	28.8	27.4	27.5
Cuba	140	140	120	125	200	210	16.3	15.2	12.9	13.2	20.8	21.6
Czechoslovakia	222	218	210	210	206	212	15.5	14.8	14.2	14.1	13.7	14.0
Denmark	45	35	35	35	34	34	9.2	7.0	6.9	6.9	6.8	6.8
Egypt	255	410	400	350	350	350	7.7	11.4	10.8	10.6	9.0	8.8
France	570	580	575	585	502	502	11.2	11.0	10.9	11.1	9.5	9.4
German Dem. Rep.	202	215	220	222	228	228	11.8	12.7	13.0	13.1	13.2	13.6
Germany, Fed. Rep.	510	505	495	495	489	489	8.4	8.1	8.0	8.0	8.0	8.0
Greece	180	180	191	200	290	184	20.5	20.0	21.2	21.7	31.2	19.6
Hungary	146	125	118	118	144	110	14.2	11.8	11.2	11.1	13.6	10.3
India	1,550	1,620	1,670	1,440	1,270	1,300	2.8	2.7	2.7	2.3	2.0	2.0
Indonesia	368	270	260	257	260	250	2.9	2.0	1.9	1.8	1.8	1.7
Iran	245	310	385	420	350	350	6.5	9.6	11.6	12.2	9.9	9.6
Iraq	95	110	155	190	140	140	10.0	10.1	13.8	16.4	11.7	11.2
Israel	105	160	190	190	165	165	35.0	47.1	54.3	54.3	45.8	44.6
Italy	435	500	500	432	390	365	8.1	9.0	9.0	7.7	5.9	6.4
Japan	236	237	237	236	236	239	2.3	2.2	2.1	2.1	2.1	2.1
Korea, Dem. People's Rep. of....	438	470	470	500	520	632	30.8	29.4	28.5	29.4	29.5	34.9
Korea, Rep. of....	645	634	630	610	600	600	19.5	17.6	17.2	16.4	15.8	15.6
Kuwait	10	15	25	25	10	10	12.5	16.7	25.0	22.7	9.1	8.3
Malaysia	58	75	76	80	79	82	5.3	6.2	6.1	6.3	6.1	6.2
Netherlands	115	105	112	112	109	100	8.8	7.8	8.2	8.1	7.9	7.2
Nigeria	200	300	270	270	300	204	3.6	4.7	4.1	4.0	4.3	2.8
Norway	35	35	35	39	39	39	9.0	8.8	8.8	9.8	9.8	9.5
Oman	4	10	12	18	12	12	5.7	14.3	15.0	22.5	15.0	15.0
Pakistan	390	500	502	604	588	518	5.9	6.8	6.7	7.8	7.4	6.3
Peru	80	90	95	100	125	125	5.9	6.0	6.1	6.3	7.7	7.5
Philippines	59	90	120	140	155	156	1.6	2.1	2.8	3.2	3.4	3.4
Poland	314	366	435	435	430	430	9.7	10.9	12.8	12.7	12.4	12.3
Portugal	230	310	217	60	58	58	25.6	34.1	23.1	6.2	6.1	5.9
Romania	211	218	220	220	220	218	10.4	10.4	10.4	10.3	10.1	10.0
Saudi Arabia	65	80	95	95	60	50	10.5	11.4	13.0	12.3	7.3	7.3
South Africa	40	45	50	59	67	78	1.8	1.8	2.0	2.3	2.5	2.9
Spain	365	375	375	368	309	321	10.8	10.7	10.6	10.3	8.5	8.7
Sweden	75	75	75	66	68	68	8.4	9.1	9.1	8.0	8.3	8.3
Switzerland	25	25	25	25	18	18	4.0	3.9	3.9	4.0	2.9	2.9
Syria	75	130	230	230	225	225	11.9	16.1	31.1	29.9	28.5	27.4
Thailand	175	221	227	228	230	250	4.7	5.4	5.4	5.3	5.2	5.5
Turkey	540	535	453	460	540	566	15.1	13.5	11.2	11.1	12.6	13.0
U.S.S.R.	4,300	4,500	4,600	4,600	4,700	4,800	17.7	17.9	18.1	17.9	18.1	18.4
United Arab Emirates	(NA)	19	21	27	25	25	(NA)	38.0	35.0	36.6	31.3	31.3
United Kingdom	375	350	345	344	318	318	6.8	6.3	6.2	6.1	5.7	5.7
Venezuela	45	50	55	55	55	55	4.2	4.1	4.3	4.2	4.0	3.9
Vietnam ³	462	665	643	637	615	660	20.5	27.8	26.5	13.1	12.3	12.9
Yugoslavia	257	262	270	275	270	260	12.6	12.4	12.8	12.7	12.4	11.8

NA Not available. ¹U.S. and Canada only. ²See footnote 4, table 1570. ³1970-1975 cover Socialist Republic of Vietnam only.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

No. 1572. MILITARY SHIPS OF SELECTED COUNTRIES, BY TYPE: 1975 TO 1981

[Includes vessels in reserve and ships under construction. Figures for oilers, supply ships, miscellaneous craft, and therefore total craft are based on different criteria from country to country and from year to year]

COUNTRY AND YEAR	Total	Air-craft carriers	Sub-marines	Cruisers	De-stroyers and frigates	Corvettes, fast attack, and patrol craft	Mine-warfare forces	Am-phibious forces	Oilers and supply ships	Miscella-neous
U.S.: 1975.....	1,039	25	150	39	185	29	37	201	264	109
1980.....	1,947	23	155	30	204	6	25	231	90	1,183
1981.....	2,148	20	157	35	311	12	25	202	79	1,307
China: Mainland: 1975.....	1,983	-	64	-	20	865	28	515	41	450
1980.....	2,207	-	92	-	29	997	97	538	54	400
1981.....	2,299	-	104	-	36	1,036	103	536	54	430
France: 1975.....	458	3	29	2	62	59	60	32	38	173
1980.....	404	2	29	2	57	23	50	71	12	158
1981.....	425	4	31	2	58	37	42	71	11	169
Soviet Union: 1975.....	2,390	2	403	37	217	566	412	153	259	341
1980.....	3,025	5	490	50	240	639	389	378	58	776
1981.....	2,845	5	482	52	290	581	383	324	62	666
United Kingdom: 1975.....	615	3	36	14	73	15	48	63	54	309
1980.....	527	5	35	8	74	19	51	86	31	218
1981.....	511	4	36	6	72	23	61	82	30	197
1981:										
Albania.....	92	-	3	-	-	53	17	-	4	15
Argentina.....	147	1	10	1	21	43	6	34	3	28
Australia.....	133	1	6	-	16	32	5	12	2	59
Belgium.....	71	-	-	-	4	8	42	2	2	13
Brazil.....	171	1	8	-	19	32	6	53	4	48
Bulgaria.....	118	-	4	-	2	23	18	30	3	38
Canada.....	87	-	3	-	26	13	-	5	5	35
Chile.....	89	-	5	3	11	39	-	16	2	13
China: Taiwan.....	209	-	4	-	33	43	23	55	7	44
Colombia.....	66	-	4	-	8	26	-	3	1	24
Cuba.....	144	-	3	-	1	88	8	20	-	23
Denmark.....	128	-	6	-	10	83	15	-	2	12
Ecuador.....	43	-	2	-	3	19	-	5	1	13
Egypt.....	157	-	12	-	8	84	12	27	-	14
Finland.....	76	-	-	-	-	26	3	14	-	33
German Dem. Republic.....	211	-	-	-	2	82	33	22	12	60
Germany, Fed. Rep. of.....	334	-	24	-	23	64	70	35	17	101
Greece.....	197	-	10	-	23	37	16	76	6	29
India.....	132	1	8	1	32	34	14	18	7	17
Indonesia.....	163	-	6	-	10	41	5	83	6	12
Iran.....	98	-	-	-	7	63	5	10	4	9
Iraq.....	76	-	-	-	5	61	5	4	1	-
Israel.....	91	-	3	-	-	72	-	12	-	4
Italy.....	261	1	11	2	24	21	46	63	3	90
Japan.....	259	-	17	-	63	26	44	20	27	62
Korea, Dem. People's Rep. of.....	632	-	17	-	4	404	-	102	-	105
Korea, Rep. of.....	119	-	-	-	18	50	9	31	8	3
Libya.....	71	-	6	-	1	39	2	16	-	7
Malaysia.....	104	-	-	-	2	36	5	6	-	55
Mexico.....	114	-	-	-	8	83	-	5	2	16
Netherlands.....	155	-	8	-	24	11	46	16	2	48
New Zealand.....	19	-	-	-	4	4	-	4	-	7
Nigeria.....	114	-	-	-	2	40	-	5	-	67
Norway.....	111	-	15	-	5	53	13	8	-	17
Pakistan.....	57	-	12	1	8	21	5	1	2	6
Peru.....	90	-	12	3	12	26	-	10	7	20
Philippines.....	234	-	-	-	8	88	-	109	2	27
Poland.....	259	-	4	-	1	88	49	43	7	67
Portugal.....	79	-	3	-	17	27	4	19	2	7
Romania.....	136	-	-	-	-	98	32	-	-	6
Saudi Arabia.....	81	-	-	-	4	52	4	12	2	7
South Africa.....	69	-	3	-	3	40	10	2	1	10
Spain.....	335	2	12	-	34	88	15	98	17	68
Sweden.....	354	-	16	-	3	72	59	150	2	52
Syria.....	36	-	-	-	2	29	4	-	-	1
Thailand.....	180	-	-	-	6	88	9	62	3	12
Turkey.....	338	-	18	-	16	87	42	85	9	81
Venezuela.....	64	-	6	-	4	27	-	9	-	18
Yugoslavia.....	173	-	7	-	-	47	43	46	6	24

- Represents zero.

Source: Jane's Publishing, Inc., New York, N.Y., *Jane's Fighting Ships*, annual. (Copyright by Jane's Publishing Company Ltd., London, England.)

No. 1573. FOREIGN EXCHANGE RATES: 1965 TO 1980

[In U.S. cents per unit of foreign currency]

COUNTRY	Currency unit	1965	1970	1974	1975	1976	1977	1978	1979	1980
Australia	Dollar	222.78	111.36	143.89	130.77	122.15	110.82	114.82	111.77	114.00
Austria	Schilling	3.87	3.87	5.36	5.75	5.57	6.05	6.90	7.48	7.73
Belgium	Franc	2.01	2.01	2.57	2.73	2.59	2.79	3.16	3.41	3.42
Canada	Dollar	92.74	95.80	102.26	98.30	101.41	94.11	87.73	85.39	85.53
Denmark	Krone	14.46	13.33	16.44	17.44	16.55	16.66	18.16	19.01	17.77
France	Franc	20.40	18.09	20.80	23.35	20.94	20.34	22.22	23.50	23.69
Germany, Fed. Rep.	Deutsche mark	25.04	27.42	38.72	40.73	39.74	43.09	49.87	54.55	55.09
India	Rupee	20.94	13.23	12.46	11.93	11.15	11.41	12.21	12.27	12.69
Ireland	Pound	279.59	239.59	234.03	222.16	180.48	174.49	191.84	204.65	205.77
Italy	Lira	.16	.16	.15	.15	.12	.11	.12	.12	.12
Japan	Yen	.28	.28	.34	.34	.34	.37	.48	.46	.44
Mexico	Peso	8.01	8.01	8.00	8.00	6.92	4.42	4.39	4.38	4.35
Netherlands	Guilder	27.77	27.65	37.37	39.63	37.85	40.75	46.28	49.84	50.37
Norway	Krone	13.98	13.99	18.12	19.18	18.33	18.79	19.08	19.75	20.26
Portugal	Escudo	3.48	3.50	3.95	3.93	3.32	2.62	2.28	2.04	2.00
South Africa	Rand	139.27	139.24	146.98	136.47	114.85	114.99	115.01	118.72	128.54
Spain	Peseta	1.67	1.43	1.73	1.74	1.50	1.33	1.31	1.49	1.40
Sweden	Krona	19.39	19.28	22.56	24.14	22.98	22.38	22.14	23.32	23.65
Switzerland	Franc	23.11	23.20	33.69	38.74	40.01	41.71	56.28	60.12	59.70
United Kingdom	Pound	279.59	239.59	234.03	222.16	180.48	174.49	191.84	212.24	232.58

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1574. FOREIGN EXCHANGE RATES, BY COUNTRY: 1978 TO 1980

[National currency units per U.S. dollar. As of December 31. Represents mid-point market quotations to extent available. For countries with fixed relationships to a third currency, represents exchange rates of the third currency, times the fixed relationships. For currencies not quoted in exchange markets, represents official rates. For countries with multiple exchange rate systems, represents rate applicable to principal trade transactions]

COUNTRY	Currency unit	EXCHANGE RATE			COUNTRY	Currency unit	EXCHANGE RATE		
		1978	1979	1980			1978	1979	1980
Algeria	Dinar	3.83	3.76	3.97	Kenya	Shilling	7.40	7.33	7.57
Argentina	Peso	1,004	1,619	1,993	Korea, Rep. of.	Won	494	484	660
Australia	Dollar	.869	.905	.847	Kuwait	Dinar	.272	.273	.271
Austria	Schilling	13.4	12.4	13.8	Liberia	Dollar	1.00	1.00	1.00
Belgium	Franc	28.8	28.0	31.5	Libya	Dinar	.296	.295	.295
Bolivia	Peso	20.0	24.5	24.5	Malaysia	Ringgit	2.21	2.19	2.22
Brazil ¹	Cruzeiro	20.9	42.6	65.5	Mexico	Peso	22.7	22.8	23.3
Canada	Dollar	1.19	1.17	1.19	Netherlands	Guilder	1.97	1.91	2.13
Chile	Peso	34.0	39.0	39.0	New Zealand	NZ Dollar	.938	1.01	1.04
Colombia ¹	Peso	41.0	44.0	50.9	Nicaragua	Cordoba	7.03	10.05	10.05
Costa Rica	Colon	8.57	8.57	8.57	Nigeria	Naira	.648	.561	.544
Denmark	Krone	5.09	5.37	6.02	Norway	Krone	5.02	4.93	5.18
Egypt ²	Pound	.391	.700	.700	Pakistan	Rupee	9.90	9.90	9.90
Finland	Markka	3.93	3.71	3.84	Peru	Sol	198.2	250.1	341.2
France	Franc	4.18	4.02	4.52	Philippines	Peso	7.38	7.42	7.59
Germany, Fed. Rep. of	D. Mark	1.83	1.73	1.96	Portugal	Escudo	46.0	49.8	53.0
Ghana	New Cedi	2.75	2.75	2.75	Saudi Arabia	Riyal	3.32	3.37	3.33
Greece	Drachma	36.0	38.3	46.5	Singapore	Dollar	2.16	2.16	2.09
Honduras	Lempira	2.00	2.00	2.00	South Africa	Rand	.870	.827	.746
India	Rupee	8.19	7.91	7.93	Spain	Peseta	70.1	68.1	79.3
Indonesia	Rupiah	625	627	627	Sri Lanka	Rupee	15.51	15.45	18.00
Iran	Rial	70.5	70.5	72.3	Sweden	Krona	4.30	4.15	4.37
Iraq	Dinar	.295	.295	.295	Switzerland ³	Franc	1.62	1.58	1.76
Ireland	Pound	.492	.466	.527	Tanzania	Shilling	7.41	8.22	8.18
Israel	Shekel	1.902	3,524	7,548	Thailand	Baht	20.4	20.4	20.6
Italy	Lira	830	804	931	Turkey	Lira	25.3	35.4	90.1
Ivory Coast	CFA Franc	209	201	226	United Kingdom	Pound	.492	.450	.419
Jamaica	Dollar	1,705	1,782	1,782					
Japan	Yen	195	240	203					
Jordan	Dinar	.293	.295	.308					

¹ Selling rates: The rates at which monetary authorities (or commercial banks) sell foreign exchange for national currency to those making payments abroad. ² Represents official rate. ³ Buying rates: The rates at which the monetary authorities (or the commercial banks) buy foreign exchange for national currency from recipients of foreign exchange.

Source: International Monetary Fund, Washington, D.C., *International Financial Statistics*, monthly.

NO. 1575. RESERVE ASSETS AND CURRENT ACCOUNT BALANCES: 1970 TO 1980

[In millions of U.S. dollars. Assets include holdings of convertible foreign currencies, special drawing rights, and reserve position in International Monetary Fund and exclude gold holdings. Minus sign (-) denotes deficits]

COUNTRY	TOTAL RESERVE ASSETS						CURRENT ACCOUNT BALANCES			
	1970	1975	1978	1979	1980		1970	1975	1978	1979
					Total	Currency holdings ¹				
All countries ²	58,251	185,299	317,613	355,620	(NA)	(NA)	(NA)	-6,342	-10,333	-22,412
United States.....	3,415	4,627	6,979	7,780	15,600	10,130	2,320	18,358	-14,548	-685
Algeria.....	148	1,128	1,981	2,659	3,773	3,546	(NA)	-1,660	-3,538	-1,730
Argentina.....	533	288	4,966	9,388	6,719	6,057	(NA)	-1,287	1,868	-426
Australia.....	1,454	2,954	2,082	1,424	1,690	1,365	-849	-608	-3,935	-1,932
Austria.....	1,044	3,583	5,047	4,075	5,280	4,768	(NA)	-930	-1,411	-1,782
Bahrain.....	63	290	493	614	953	940	(NA)	(NA)	(NA)	(NA)
Belgium.....	1,377	4,069	3,966	5,414	7,687	6,429	(NA)	259	-886	-3,810
Brazil.....	1,142	3,980	11,826	8,966	5,769	5,042	-837	-7,007	-7,035	-10,465
Canada.....	3,888	4,426	3,560	2,864	3,093	2,061	1,078	-4,671	-4,412	-4,358
Chile.....	342	56	1,090	1,938	3,123	3,038	-91	-565	-870	-876
Colombia.....	189	475	2,386	3,844	4,831	4,576	-293	-109	133	528
Denmark.....	419	803	3,129	3,236	3,387	3,070	-544	-501	-1,499	-2,735
Ecuador.....	64	253	636	722	1,013	961	-114	-221	-701	-584
Egypt.....	74	194	492	529	1,046	1,046	-	-1,371	-929	-1,517
Ethiopia.....	63	277	153	173	80	75	-34	-46	-109	-96
Finland.....	425	433	1,223	1,540	1,875	1,668	-239	-2,155	605	-284
France.....	1,428	8,457	9,278	17,579	27,340	25,338	-285	-42	3,768	1,535
Germany, Fed. Rep. of.....	9,630	26,216	48,474	52,549	48,012	43,881	740	3,727	8,561	-6,357
Greece.....	194	783	999	951	1,130	1,059	-405	-877	-972	-1,881
Guatemala.....	61	284	742	696	445	394	-10	-69	-267	-207
India.....	763	1,089	6,426	7,432	6,944	6,043	-394	-130	2,835	3,499
Indonesia.....	156	584	2,626	4,062	5,392	5,012	-310	-1,109	-1,477	939
Iran.....	77	8,744	11,977	15,210	(NA)	(NA)	-507	4,707	5,783	6,302
Iraq.....	319	2,559	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Ireland.....	681	1,513	2,658	2,212	2,860	2,672	-198	-35	-312	-1,769
Israel.....	405	1,137	2,625	3,064	3,351	3,308	-562	-2,122	-854	-1,472
Italy.....	2,465	1,394	11,109	18,197	23,140	21,652	-747	-571	6,351	5,110
Japan.....	4,308	11,950	32,407	19,522	24,636	21,567	(NA)	-619	17,528	-8,695
Jordan.....	228	459	886	1,165	1,143	1,107	-17	66	-278	-10
Korea, Republic of.....	606	781	2,764	2,959	2,925	2,912	-623	-1,860	-1,059	-4,152
Kuwait.....	117	1,492	2,500	2,870	3,928	3,405	(NA)	5,891	6,192	14,216
Lebanon.....	98	1,202	1,835	1,532	1,588	1,580	(NA)	(NA)	(NA)	(NA)
Libya.....	1,505	2,095	4,105	6,344	13,091	12,942	(NA)	392	2,120	7,364
Malaysia.....	616	1,456	3,243	3,915	4,387	4,114	8	-444	235	1,375
Malta.....	148	486	925	1,013	990	956	-4	66	80	53
Mexico.....	568	1,383	1,842	2,033	2,832	2,560	-1,068	-4,054	-2,594	-4,545
Morocco.....	119	352	618	557	399	398	-124	-526	-1,340	-1,521
Netherlands.....	1,454	4,884	5,088	7,591	11,645	10,434	-487	1,990	-1,386	-2,348
New Zealand.....	257	427	451	451	352	317	-29	-1,400	-387	-545
Nigeria.....	202	5,586	1,887	5,549	10,235	9,593	-368	42	-3,771	1,225
Norway.....	788	2,197	2,861	4,215	6,048	5,590	-242	-2,489	-2,097	-1,186
Oman.....	126	238	387	577	874	848	(NA)	(NA)	(NA)	(NA)
Pakistan.....	136	340	408	213	496	457	(NA)	-1,051	-706	-1,200
Peru.....	296	426	390	1,521	1,979	1,966	202	-1,541	-198	618
Philippines.....	195	1,315	1,783	2,250	2,846	2,846	-48	-923	-1,158	-1,565
Portugal.....	602	398	871	931	795	751	(NA)	-768	-475	138
Saudi Arabia.....	543	23,193	19,200	19,273	23,437	20,747	71	13,931	-1,027	10,857
Singapore.....	1,012	3,007	5,303	5,819	6,567	6,491	-572	-605	-756	-1,177
South Africa.....	346	489	423	434	726	515	-1,180	-2,442	1,534	3,557
Spain.....	1,319	5,506	10,112	13,224	11,863	11,307	111	-4,107	1,704	5,985
Sweden.....	561	2,839	4,124	3,304	3,418	2,949	-266	-365	-275	-2,619
Switzerland.....	2,401	7,019	17,763	16,435	15,656	15,328	72	2,591	4,436	2,434
Syria.....	27	702	382	581	337	315	-69	93	-452	87
Thailand.....	824	1,679	2,009	1,843	1,560	1,552	-250	-606	-1,149	-2,090
Trinidad and Tobago.....	43	751	1,805	2,138	2,780	2,654	-107	273	99	288
Tunisia.....	55	380	443	579	590	561	-53	-170	-501	-297
Turkey.....	304	918	833	767	1,274	1,274	-70	-1,848	-1,221	-1,005
United Arab Emirates.....	(NA)	988	812	1,432	2,015	1,886	(NA)	(NA)	(NA)	(NA)
United Kingdom.....	1,478	4,597	16,026	19,744	20,651	18,748	1,878	-3,766	1,147	-3,814
Uruguay.....	14	73	287	381	473	405	(NA)	-191	-125	-239
Venezuela.....	637	8,403	6,035	7,320	6,604	5,635	-104	2,170	-5,737	-288
Yemen Arab Republic.....	(NA)	338	1,459	1,427	1,283	1,256	(NA)	129	70	-124
Yugoslavia.....	89	812	2,388	1,257	1,384	1,371	(NA)	(NA)	(NA)	(NA)

- Represents zero.

NA Not available.

¹ Holdings of convertible foreign currencies.² Includes countries not shown

separately.

Source: International Monetary Fund, Washington, D.C., *International Financial Statistics*, monthly with annual supplements.

**NO. 1576. TOTAL EXTERNAL PUBLIC DEBT, 1973 TO 1979, AND BY TYPE OF CREDITOR, 1979, AND
DEBT SERVICE PAYMENTS, 1975 TO 1979**

[External public debt is defined as debt repayable to external creditors in foreign currency, goods, or services, with an original or extended maturity of more than one year, which is a direct obligation of, or has repayment guaranteed by, a public body in the borrowing country. Excludes undisbursed debt (amounts not yet drawn by recipient) and unguaranteed private debt, which for some countries is substantial. Debt contracted for the purchase of military equipment is not usually reported. Debt service payments represent the sum of interest payments and repayments of principal on external public debt.]

COUNTRY	TOTAL EXTERNAL PUBLIC DEBT (mil. dol.)						DEBT SERVICE PAYMENTS (mil. dol.)			DEBT SERVICE RATIO ^a (percent)		
				1979			1975	1978	1979	1975	1978	1979
	1973	1975	1978	Total ^b	Bilateral official	Banks ^c	International organizations					
Afghanistan	628	712	1,105	1,143	991	-	107	27	52	9	(NA)	(NA)
Algeria.....	2,932	4,477	12,699	15,333	9,912	8,985	245	457	1,454	2,687	8.7	20.4
Argentina.....	2,783	3,117	6,796	8,716	882	4,468	1,002	789	2,122	1,487	22.0	27.1
Bahrain.....	27	51	76	92	92	-	-	2	7	-	.1	.3
Bangladesh.....	368	1,611	2,765	2,842	1,606	24	1,084	66	94	84	16.2	11.8
Bolivia.....	631	797	1,648	1,835	602	675	360	74	350	258	14.4	48.7
Brazil.....	7,467	13,608	30,157	35,092	3,047	24,291	2,754	1,666	4,372	6,252	16.6	30.0
Burma.....	232	281	860	1,141	615	105	208	34	47	91	17.5	15.4
Cameroon.....	237	372	1,157	1,634	600	492	396	36	98	126	5.3	7.4
Chile.....	2,812	3,731	4,352	4,767	1,340	2,350	324	502	2,126	1,258	28.6	38.2
China: Taiwan.....	933	1,636	2,935	3,082	1,191	1,414	256	241	633	731	3.8	4.4
Colombia.....	1,914	2,348	2,803	3,426	1,011	1,050	1,139	249	398	664	11.1	9.5
Congo.....	202	363	752	799	461	95	105	35	28	106	12.7	7.3
Costa Rica.....	249	421	954	1,277	209	639	357	64	236	255	10.6	22.8
Dominican Rep.....	304	410	726	828	373	388	115	51	78	159	5.0	9.4
Ecuador.....	332	457	1,587	2,207	280	1,461	287	50	206	713	4.5	11.8
Egypt.....	2,224	4,829	9,921	11,409	6,908	627	2,634	595	1,211	1,041	22.5	22.3
Ethiopia.....	258	353	511	620	266	16	338	26	26	75	6.6	4.9
Gabon.....	346	728	1,263	1,214	254	753	48	69	309	346	5.5	20.8
Ghana.....	704	673	844	977	488	19	256	50	47	50	5.6	4.7
Greece.....	1,541	2,552	2,122	3,532	667	2,342	304	445	571	740	10.5	8.4
Guatemala.....	112	164	367	482	197	1	282	13	24	33	1.7	2.2
Guinea.....	605	761	907	990	658	19	127	35	66	83	-	20.0
Honduras.....	134	264	595	746	188	178	364	16	60	108	4.7	8.4
India.....	10,400	12,235	15,351	15,641	10,141	60	5,269	753	937	963	12.4	9.8
Indonesia.....	5,248	8,014	13,128	13,326	7,071	2,927	1,440	518	1,463	2,107	7.3	13.4
Iran.....	4,470	3,815	7,372	(NA)	(NA)	(NA)	(NA)	948	1,057	(NA)	4.5	4.1
Iraq.....	449	403	878	(NA)	(NA)	(NA)	(NA)	63	232	(NA)	.9	1.9
Israel.....	4,527	5,915	9,209	9,954	6,347	1,405	113	712	538	856	18.3	7.8
Ivory Coast.....	578	916	2,812	3,547	622	2,116	425	131	398	531	8.8	13.0
Jamaica.....	342	684	1,054	1,182	451	415	196	79	192	208	6.8	16.3
Jordan.....	209	340	840	1,047	658	266	106	21	58	.96	3.6	4.1
Kenya.....	446	570	1,085	1,428	431	360	539	36	108	104	3.6	7.2
Korea, Rep. of.....	3,644	5,663	12,074	14,694	3,681	5,355	2,109	685	1,828	2,636	11.6	10.7
Lebanon.....	56	46	46	93	32	1	61	11	8	9	(NA)	(NA)
Malaysia.....	720	1,338	2,691	3,004	508	1,455	659	144	704	575	3.3	8.4
Malta.....	285	349	539	545	361	13	162	3	9	9	2.4	7.1
Mauritania.....	108	188	575	590	347	58	110	40	26	66	20.7	16.3
Mexico.....	5,585	11,533	25,638	28,805	907	22,342	2,726	1,595	6,237	10,358	25.1	53.4
Morocco.....	998	1,753	5,139	6,227	2,125	2,817	753	145	548	799	5.7	18.7
Nicaragua.....	334	598	961	1,101	337	382	350	58	98	56	12.3	13.4
Nigeria.....	1,156	1,085	2,181	3,744	491	2,688	526	247	128	264	2.7	1.2
Oman.....	42	270	562	456	257	89	58	35	135	209	2.4	5.5
Pakistan.....	4,232	5,097	7,562	7,998	6,095	191	1,540	250	384	485	15.6	12.2
Panama.....	458	774	1,905	2,105	247	1,196	268	72	573	394	5.9	33.1
Peru.....	1,442	3,021	5,403	5,931	2,409	2,486	331	441	750	914	25.3	31.1
Philippines.....	877	1,377	4,242	5,180	1,094	1,879	1,173	225	642	805	7.1	13.3
Portugal.....	606	827	2,806	3,708	1,217	1,766	371	113	226	411	2.7	4.0
Senegal.....	176	295	608	786	260	239	199	39	97	122	5.4	13.7
Singapore.....	423	550	1,134	1,323	353	201	174	55	304	219	7	2.3
Somalia.....	127	228	500	546	420	-	124	4	5	2	3.4	3.1
Spain.....	1,704	3,409	7,603	8,656	1,479	4,771	509	390	1,703	2.7	10.1	5.6
Sri Lanka.....	485	598	1,013	1,086	763	-	281	138	89	76	21.8	9.2
Sudan.....	464	1,181	2,085	2,114	989	470	436	112	76	277	21.7	9.5
Syria.....	413	678	1,869	2,283	1,869	49	249	104	295	350	7.9	20.8
Tanzania.....	464	798	1,095	1,153	639	31	460	29	30	39	5.9	5.7
Thailand.....	443	616	1,791	2,699	715	985	923	73	195	278	2.4	3.8
Trinidad and Tobago.....	151	159	418	422	30	280	62	27	32	49	2.1	1.9
Tunisia.....	828	1,042	2,360	3,057	1,457	1,030	426	102	202	336	6.9	10.9
Turkey.....	2,669	3,159	6,285	10,972	5,416	3,440	1,796	262	429	640	7.9	10.7
Uruguay.....	344	617	793	914	130	312	167	228	427	123	50.0	53.7
Venezuela.....	1,541	1,262	6,893	9,797	210	7,531	249	539	750	1,544	5.4	6.9
Yemen Arab Rep.....	173	244	465	466	333	-	132	4	16	45	8.5	8.4
Yugoslavia.....	1,877	2,327	3,477	3,700	2,145	335	1,181	452	403	563	5.5	3.4
Zaire.....	901	1,717	3,574	3,780	(NA)	1,569	389	151	140	168	15.1	8.2
Zambia.....	655	1,099	1,396	1,559	716	284	360	89	191	301	10.2	20.8

-- Represents zero. NA Not available. ^aIncludes other types of creditors, not shown separately.

^bFinancial institutions. ^cDebt service payments as percent of exports.

Source: The World Bank, Washington, D.C., *World Debt Tables*, periodic.

^aIncludes other private

NO. 1577. NET FLOW OF FINANCIAL RESOURCES TO DEVELOPING COUNTRIES, BY ORIGIN AND TYPE OF RESOURCE: 1970 TO 1980

[In billions of U.S. dollars. Net flow covers loans, grants, and grant-like flows minus amortization on loans. Military flows are excluded. Developing countries cover countries designated by Development Assistance Committee as developing. The DAC list differs from the UN list (see table 154) by the inclusion of Greece, Malta, Portugal, Spain, and Yugoslavia and the exclusion of South Africa. Official development assistance covers all flows to developing countries and multilateral institutions provided by official agencies, including State and local governments, or by their executive agencies, which are administered with the promotion of economic development and welfare of developing countries as their main objective and whose financial terms are intended to be concessional in character with grant element of at least 25 percent. Other official flows cover export credits and portfolio investment from the official sector]

ORIGIN AND TYPE OF RESOURCE	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
Development Assistance Committee countries ¹	15.9	20.1	22.4	22.4	44.8	46.6	51.7	71.0	76.2	75.1
Official development assistance	6.9	9.2	9.1	11.6	13.8	13.9	15.7	20.0	22.4	26.8
Bilateral grants ²	3.3	4.4	4.5	5.3	6.3	6.5	7.2	9.4	11.3	13.6
Bilateral loans	2.4	2.3	2.6	2.9	3.5	3.0	2.9	3.7	4.6	4.0
Multilateral contributions ³	1.3	2.6	2.0	3.4	4.0	4.4	5.6	6.9	6.5	9.1
Other official flows	1.1	1.6	2.5	2.2	3.0	3.3	3.3	5.0	2.7	5.3
Private flows at market terms	7.0	8.3	9.4	7.4	26.6	27.9	31.2	44.3	49.1	40.6
Direct investment	3.7	4.2	4.7	1.1	10.5	7.8	9.5	11.2	12.9	8.9
Private export credits	2.2	1.4	1.2	2.5	4.2	6.8	8.3	10.0	10.0	12.6
Portfolio investment	1.2	2.7	3.5	3.7	11.8	13.3	13.4	23.2	26.0	19.2
Private voluntary agencies .....	.9	1.0	1.4	1.2	1.3	1.4	1.5	1.7	2.0	2.4
Organization of Petroleum Exporting Countries ⁴	(NA)	.5	1.7	6.0	8.2	8.1	7.5	5.8	(NA)	(NA)
Official development assistance	(NA)	.4	1.3	3.4	5.5	5.6	5.9	4.3	6.2	7.0
Other official flows	(NA)	.1	.4	2.5	2.7	2.5	1.8	1.6	(NA)	(NA)
Centrally-planned economies ⁵ .....	.9	1.1	1.3	.9	1.5	1.5	1.4	1.4	1.8	(NA)
Official development assistance .....	.8	1.0	1.2	.8	1.4	1.3	1.3	1.3	1.8	1.8
Other official flows .....	.1	.1	.1	.1	.1	.1	.1	.1	.1	(NA)
International bank lending ⁶	3.3	5.3	10.3	10.3	12.4	16.2	18.7	25.5	19.7	(NA)
Total net flow to developing countries, by DAC Country ¹	15.9	20.1	22.4	22.4	44.8	46.6	51.7	71.0	76.2	75.1
United States	6.4	8.0	6.0	4.5	17.7	12.4	12.4	16.2	18.7	13.9
Official development assistance	3.2	4.0	2.7	3.7	4.2	4.4	4.7	5.7	4.7	7.1
Bilateral grants ²	1.4	1.6	1.4	1.7	1.7	1.7	1.7	2.1	2.5	3.0
Bilateral loans	1.3	1.1	.9	.8	1.2	1.2	1.2	1.4	1.6	1.4
Multilateral contributions ³ .....	.5	1.2	.3	1.1	1.2	1.5	1.8	2.2	.6	2.8
Other official flows .....	.1	.2	.5	.8	.9	.8	.8	1.3	1.0	1.1
Private flows at market terms	2.5	3.1	2.0	—7	11.8	6.4	6.2	8.3	12.0	4.3
Direct investment	1.9	1.7	.9	-2.2	7.2	3.1	4.9	5.6	8.0	3.4
Private export credits and portfolio investment .....	.6	1.4	1.1	1.5	4.6	3.3	1.3	2.7	4.0	.9
Private voluntary agencies .....	.6	1.7	.9	.7	.8	.8	.8	.9	1.0	1.3
Australia .....	.4	.4	.4	.5	.6	.5	.6	.7	.9	.9
Austria .....	.1	.1	.1	.2	.2	.4	.5	.5	.2	.2
Belgium .....	.3	.4	.5	.8	.9	1.2	1.3	2.8	2.3	2.9
Canada .....	.6	1.0	1.1	1.7	2.0	2.5	2.4	2.2	2.4	2.8
Denmark .....	.1	.1	.2	.2	.3	.5	.4	.7	.7	.8
Finland	(Z)	(Z)	(Z)	.1	.1	.1	.1	.2	.2	.2
France	1.8	2.1	2.8	3.4	3.9	5.3	5.2	7.9	8.7	11.5
Germany, Fed. Rep. of	1.5	1.8	1.8	3.2	5.0	5.6	6.1	7.6	7.3	10.6
Italy .....	.7	.7	.6	.4	1.6	1.5	2.0	3.2	4.1	4.0
Japan	1.8	2.7	5.8	3.0	2.9	4.0	5.5	10.7	7.6	6.8
Netherlands .....	.4	.7	.6	.9	1.3	1.7	2.1	2.7	1.8	2.3
New Zealand	(Z)	(Z)	(Z)	.1	.1	.1	.1	.1	.1	.1
Norway .....	.1	.1	.1	.2	.3	.5	.5	.6	.8	.9
Sweden .....	.2	.3	.4	.6	.8	1.1	1.6	1.3	1.2	1.8
Switzerland .....	.1	.2	.3	.4	.7	1.3	3.9	3.7	5.5	2.7
United Kingdom	1.2	1.5	1.5	2.4	6.5	8.0	7.0	9.9	13.6	12.8

NA Not available. Z Less than \$50 million. ¹ Includes flows to OPEC countries (see footnote 4). Comprises as donors Australia, Austria, Belgium, Canada, Denmark, Finland, France, Federal Republic of Germany, Italy, Japan, Netherlands, New Zealand, Norway, Sweden, Switzerland, United Kingdom, and United States. ² Includes "grant-like" flows (i.e., loans repayable in recipients' currencies). ³ Includes capital subscriptions to multilateral organizations in the form of demand instruments as of date of issue. ⁴ Algeria, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela. ⁵ Bulgaria, Czechoslovakia, German Democratic Republic, Hungary, Poland, Romania, and Soviet Union. ⁶ Estimate of net change in outstanding long-term assets of banking sector in DAC countries and their affiliates in non-DAC countries. DAC portion of total (\$20.3 billion in 1978) is included in private flows data, mainly under portfolio investment. Data for 1970-1975 are estimates based on movements in published syndicated bank loans.

Source: Organisation for Economic Co-operation and Development, Paris, France, *Report by the Chairman of the DAC, 1980 Review*, and earlier issues, and unpublished data.

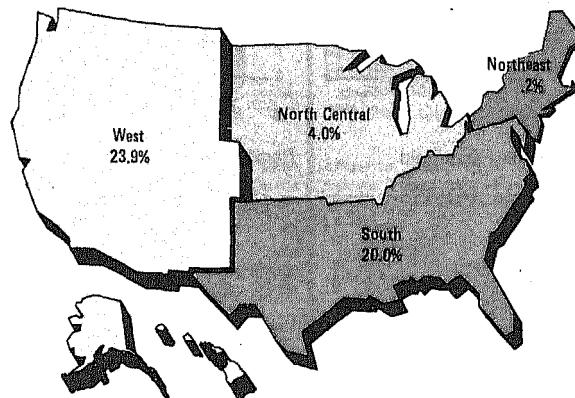
1970
1980
1981

Section 34

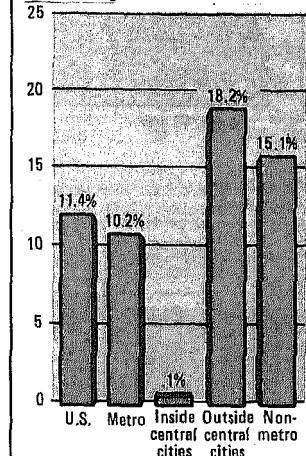
Recent Trends

Population

**Resident Population—
Percent Change:
1970 to 1980**



**Metropolitan/Nonmetropolitan
Population, 1970 to 1980
Percent change**



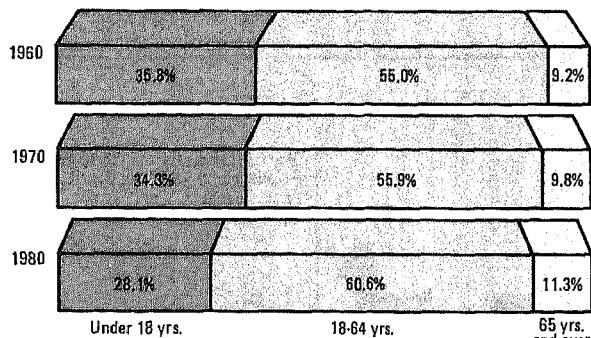
Subject	Unit of measure				Percent change	
		1960	1970	1980	1960-70	1970-80
Resident population, total	Millions	179.3	203.3	226.5	13.4	11.4
Northeast	Millions	44.7	49.1	49.1	9.8	.2
North Central	Millions	51.6	56.6	58.9	9.6	4.0
South	Millions	55.0	62.8	75.3	14.3	20.0
West	Millions	28.1	34.8	43.2	24.2	23.9
In metropolitan areas (318 SMSA's) ¹	Millions	131.3	153.7	169.4	17.0	10.2
Central cities	Millions	(NA)	67.9	67.9	(NA)	.1
Outside central cities	Millions	(NA)	85.8	101.5	(NA)	18.2
In nonmetropolitan areas	Millions	48.0	49.6	57.1	3.3	15.1
Urban	Millions	125.3	149.3	167.0	19.2	11.8
Percent of total	Percent	69.9	73.5	73.7	(NS)	(NS)
Rural	Millions	54.1	53.9	59.5	-.3	10.5

NA Not available. NS Not significant.

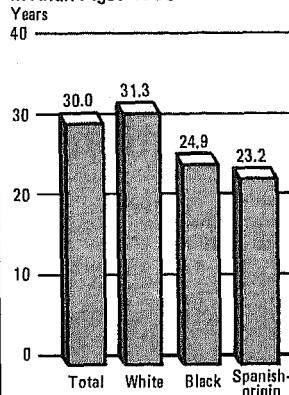
¹ Standard metropolitan statistical areas as defined, June 30, 1981.

Population

Resident Population—Age Distribution

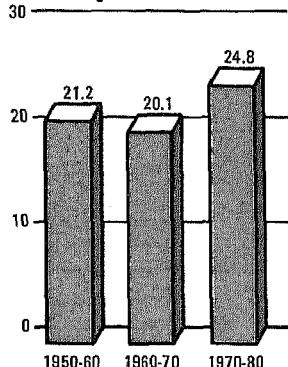


Median Age: 1980



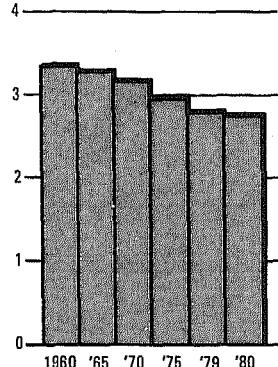
Households

Percent change

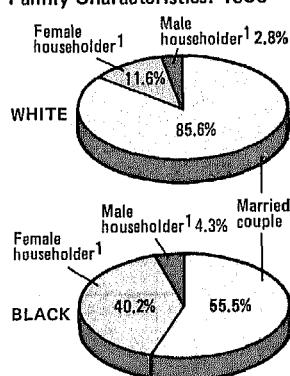


Persons per Household

Unit of measure



Family Characteristics: 1980



Subject	Unit of measure	1960	1970	1980	Percent change	
					1960-70	1970-80
Resident population, total	Millions	179.3	203.3	226.5	13.4	11.4
Under 18 years	Millions	64.2	69.7	63.7	8.5	-8.5
18-64 years	Millions	98.6	113.6	137.2	15.2	20.8
65 years and over	Millions	16.6	20.0	25.5	20.6	27.9
White	Millions	158.8	178.1	188.3	12.1	5.8
Black	Millions	18.9	22.6	26.5	19.7	17.3
Persons of Spanish origin	Millions	(NA)	9.1	14.6	(NA)	61.0
Households	Millions	52.8	63.4	79.1	20.1	24.8
Persons per household	Number	3.33	3.14	2.75	(NS)	(NS)
One person households	Millions	6.9	10.7	17.8	55.1	66.4
Families, total	Millions	45.1	51.6	58.4	14.4	13.3
Married-couple	Millions	39.3	44.8	48.2	13.8	7.7
Female householder ¹	Millions	4.5	5.6	8.5	24.1	52.7

NA Not available.

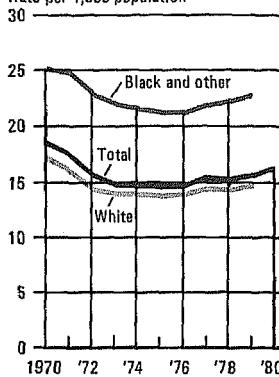
NS Not significant.

¹ Not spouse present.

Vital Statistics, Health

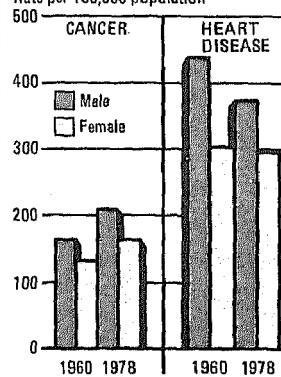
Birth Rate, by Race

Rate per 1,000 population



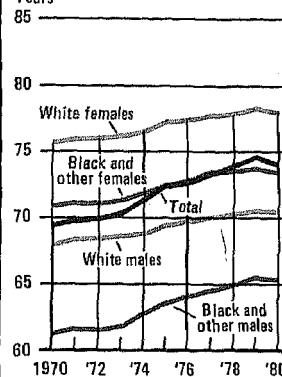
Death Rates, by Cause

Rate per 100,000 population



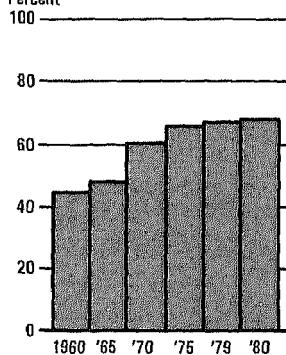
Life Expectancy at Birth

Years



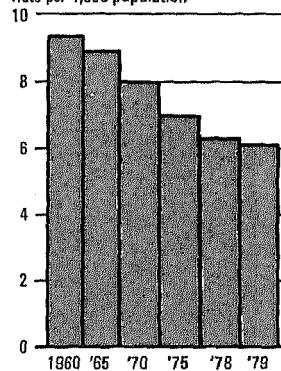
Third Party Payments as Percent of Personal Health Expenditures

Percent



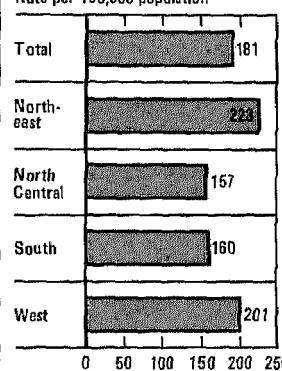
Hospital Beds

Rate per 1,000 population



Physicians, by Region: 1979

Rate per 100,000 population



Subject

Unit of measure

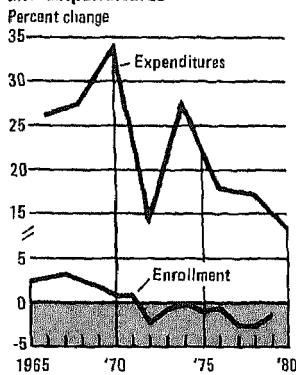
Subject	Unit of measure	1960	1970	1975	1979	1980	1980 -70	1970 -75	1975 -80
		1960	1970	1975	1979	1980	1980 -70	1970 -75	1975 -80
Births	1,000	4,258	3,731	3,144	3,494	3,598	-1.3	-3.4	2.7
Deaths	1,000	1,712	1,921	1,893	1,906	1,986	1.2	-3	1.0
Birth rate per 1,000 population	Rate	23.7	18.4	14.8	15.9	16.2	-2.5	-4.3	1.8
White	Rate	22.7	17.4	13.8	14.8	(NA)	-2.6	-4.5	1.8
Black and other	Rate	32.1	25.1	21.2	22.8	(NA)	-2.4	-3.3	1.8
Death rate per 100,000 population	Rate	955	945	889	866	893	-1	-1.2	.1
Heart disease	Rate	369	362	336	334	(NA)	-2	-1.5	.2
Cancer	Rate	149	163	172	182	(NA)	.9	1.1	3.9
Marriage rate per 1,000 population	Rate	8.5	10.6	10.1	10.6	10.9	2.2	-1.0	1.5
Divorce rate per 1,000 population	Rate	2.2	3.6	4.9	5.4	5.3	4.8	7.0	1.6
Life expectancy at birth: Male	Years	66.6	67.1	68.7	69.9	69.8	.1	.5	.3
Female	Years	73.1	74.8	76.5	77.8	77.5	.2	.5	.3
Personal health care expenditures ⁴	\$Bil.	23.7	65.1	116.8	189.1	217.9	10.7	12.4	13.3
Third party payments	Percent	45.1	60.1	66.6	67.2	67.6	(NS)	(NS)	(NS)
Hospital beds per 1,000 population	Rate	9.3	8.0	6.9	6.2	(NA)	-1.5	-2.9	1.2
Physicians, active, non-Federal	1,000	(NA)	279	335	395	(NA)	(NA)	3.7	4.2
Rate per 100,000 population	Rate	(NA)	138	161	181	(NA)	(NA)	1.8	4.6

NA Not available. NS Not significant. ¹Change, 1975-79. ²1978 data. ³Change, 1975-78.

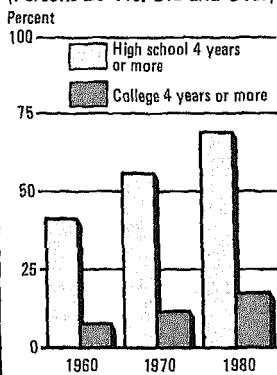
⁴Excludes research, construction, public health activities and net cost of insurance.

Education, Law Enforcement

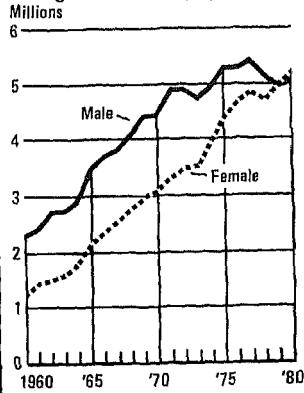
Public School Enrollment and Expenditures



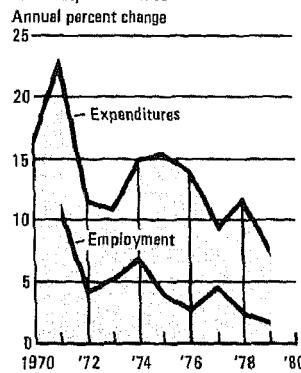
Educational Attainment (Persons 25 Yrs. Old and Over)



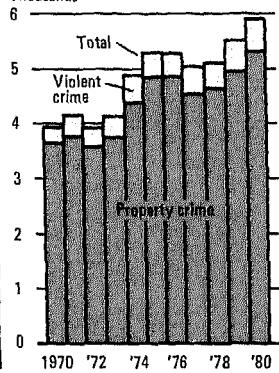
College Enrollment, by Sex



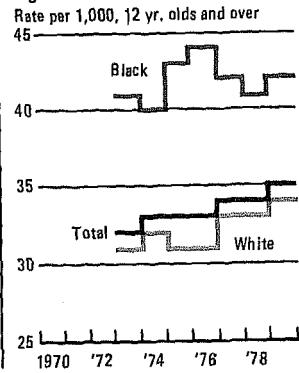
Criminal Justice Employment and Expenditures



Crime Rate/100,000 Persons



Victimization Rates of Crimes Against Persons



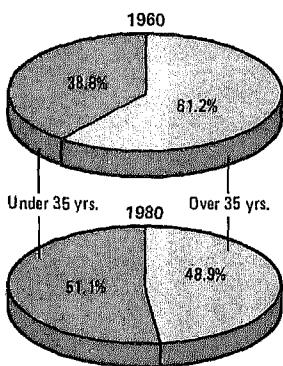
Subject	Unit of measure	Average annual percent change							
		1960	1970	1975	1979	1980	1960	1970	1975
School enrollment (Oct.)	Millions	46.3	60.4	61.0	57.9	57.3	2.7	.2	-1.2
Elem. and secondary, public	Millions	36.7	46.2	44.5	41.3	(NA)	2.3	-.7	1-1.8
Elem. and secondary, private	Millions	5.9	5.7	5.0	4.6	(NA)	-.3	-2.4	1-1.7
School expenditures ²	\$Bil.	26.8	98.4	121.6	166.2	181.3	13.9	4.3	8.3
Elem. and secondary, public	\$Bil.	13.7	39.6	63.0	81.5	89.9	11.2	9.7	7.4
College enrollment (Oct.)	Millions	3.6	7.4	9.7	10.0	10.2	7.5	5.5	1.0
Percent female	Percent	35.9	40.6	44.9	50.0	50.6	(NS)	(NS)	(NS)
Educational attainment ³									
High school, 4 yrs. or more	Percent	41.1	55.2	62.5	67.7	68.6	(NS)	(NS)	(NS)
College, 4 yrs. or more	Percent	7.7	11.0	13.9	16.4	17.0	(NS)	(NS)	(NS)
Crimes, number	1,000	3,384	8,098	11,257	12,163	13,295	9.1	6.8	3.4
Crime rate per 100,000 population	Rate	1,887	3,985	5,282	5,621	5,900	7.8	5.8	2.2
Violent (against persons)	Rate	161	364	482	535	581	8.5	7.5	3.8
Property	Rate	1,726	3,621	4,800	4,986	5,319	7.7	5.8	2.1
Criminal justice employment	1,000	(NA)	775	1,051	1,178	(NA)	(NA)	6.3	12.9
Criminal justice expenditures	\$Mil.	3,349	8,571	17,249	25,871	(NA)	9.9	15.0	10.7

NA Not available. NS Not significant. ¹Change, 1975-79. ²For school year ending in June the following year.

³Persons 25 years old and over.

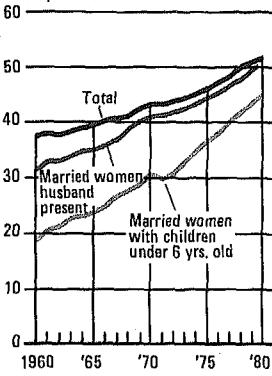
Labor Force, Income

Labor Force—Age Composition



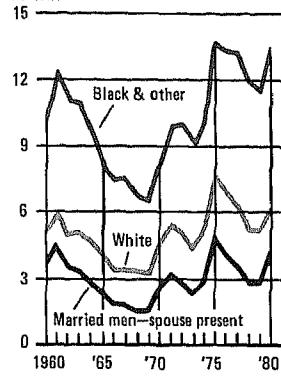
Female Labor Force

Participation rate

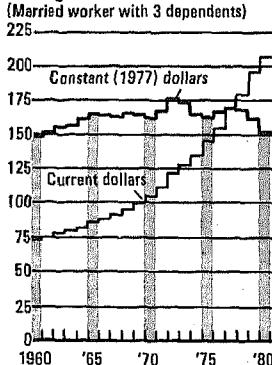


Unemployment Rates

Percent

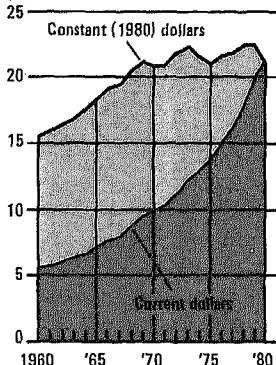


Weekly Earnings—Private Nonagricultural (Married worker with 3 dependents)



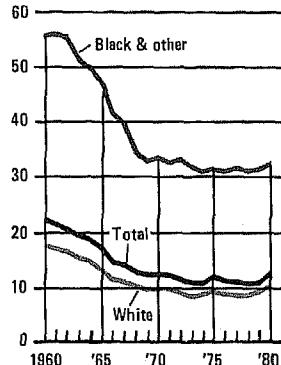
Median Family Income

\$ Thousands



Persons in Poverty

Percent



Subject	Unit of measure	Average annual percent change							
		1960	1970	1975	1979	1980	1960-70 -70	1970-75 -75	1975-80 -80
Labor force, total	Millions	72.1	85.9	94.8	105.0	106.8	1.8	2.0	2.4
Percent under 35 yrs. of age	Percent	38.8	43.8	49.0	51.0	51.1	(NS)	(NS)	(NS)
Civilian labor force	Millions	69.6	82.7	92.6	102.9	104.7	1.7	2.3	2.5
Unemployed	Millions	3.9	4.1	7.8	6.0	7.4	.5	13.7	-1.1
Unemployment rate	Percent	5.5	4.9	8.5	5.8	7.1	(NS)	(NS)	(NS)
Female participation rate	Percent	37.7	43.3	46.3	51.0	51.6	(NS)	(NS)	(NS)
Married wife, husband present	Percent	30.5	40.8	44.4	49.4	50.2	(NS)	(NS)	(NS)
Earnings, private nonagricultural ¹	Dollars	73	105	146	195	206	3.7	6.8	7.2
Constant (1977) dollars	Dollars	149	184	164	162	152	.9	.1	-1.6
Median family income:									
Current dollars	Dollars	5,620	9,867	13,719	19,661	21,023	5.8	6.8	8.9
Constant (1980) dollars	Dollars	15,637	20,839	21,004	22,320	21,023	3.0	.1	(Z)
Persons in poverty	Percent	22.2	12.6	12.3	11.6	13.0	(NS)	(NS)	(NS)
White	Percent	17.8	9.9	9.7	8.9	10.2	(NS)	(NS)	(NS)
Black ²	Percent	55.9	33.5	31.3	30.9	32.5	(NS)	(NS)	(NS)

NS Not significant. Z Less than .05 percent.

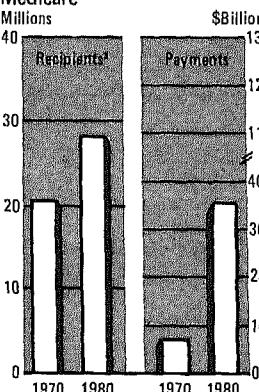
¹Married worker with three dependents.²1960 Black and other.

Federal Income Security Programs

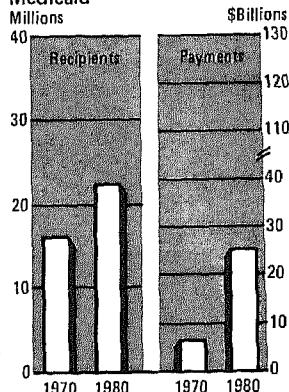
Social Security



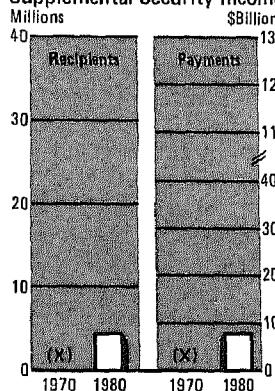
Medicare



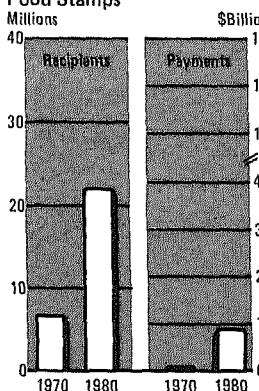
Medicaid



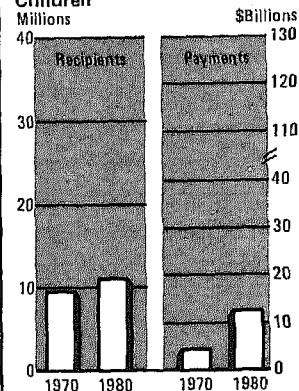
Supplemental Security Income



Food Stamps



Aid to Families with Dependent Children



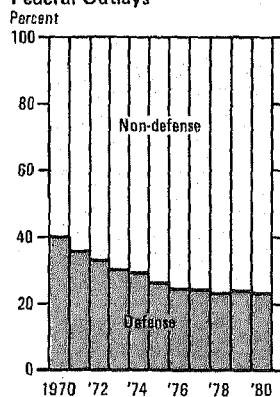
Subject	Unit of measure	Average annual percent change					
		1960 -70	1970 -75	1975 -79	1979 -80	1980 -70	1980 -75
Social Security—							
Recipients	Millions	14.8	26.2	32.1	35.1	35.6	5.9
Payments	\$Bil.	11	32	67	104	120	11.0
Medicare—							
Recipients ¹	Millions	(X)	20.4	24.6	27.5	28.1	(X) 3.9
Payments	\$Bil.	(X)	7.1	15.6	29.3	33.9	(X) 17.0
Medicaid—							
Recipients	Millions	(X)	14.5	22.2	21.5	21.6	(X) 8.9
Payments	\$Bil.	(X)	4.8	12.3	20.5	23.3	(X) 20.7
Supplemental Security Income—							
Recipients ²	Millions	(X)	(X)	4.3	4.2	4.1	(X) (X) -0.8
Payments	\$Bil.	(X)	(X)	5.9	7.1	7.9	(X) (X) 6.2
Food stamps—							
Recipients	Millions	(X)	6.5	19.2	19.3	22.0	(X) 24.3
Payments ³	\$Bil.	(X)	.6	4.4	6.5	8.7	(X) 51.5
Aid to families with dependent children—							
Recipients	Millions	3.1	9.7	11.4	10.4	11.1	12.1
Payments	\$Bil.	1.0	4.9	9.2	11.1	12.5	17.1

X Not applicable.

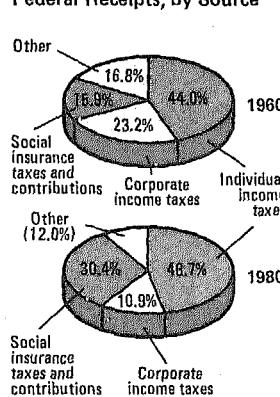
¹ Represents hospital insurance enrollments.² Federally-administered payments only.³ Federal cost.

Government, Defense, Elections

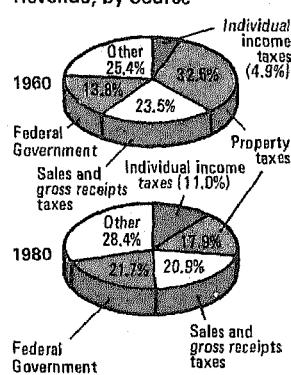
Federal Outlays



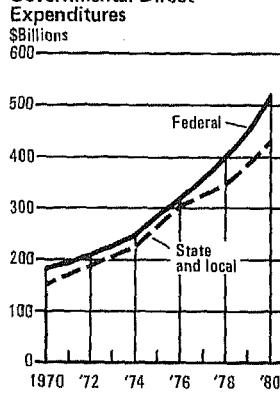
Federal Receipts, by Source



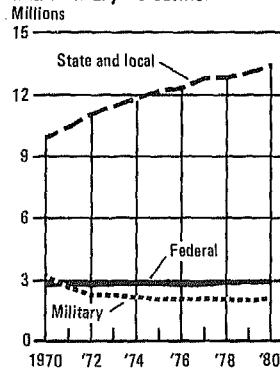
State and Local General Revenue, by Source



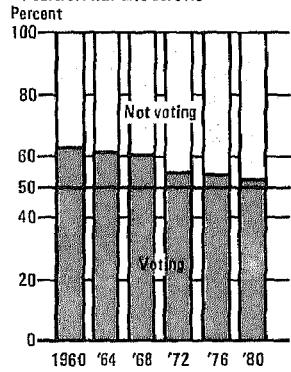
Governmental Direct Expenditures



Government Employment and Military Personnel



Voter Participation in Presidential Elections



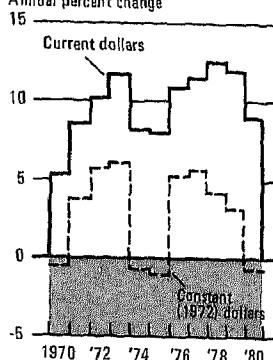
Subject	Unit of measure	Average annual percent change				
		1960 -70	1970 -75	1975 -80	1960 -70	1970 -75
Federal outlays	\$Bil.	92.2	196.6	326.2	493.6	579.6
Defense	Percent	49.0	40.0	26.2	23.8	23.4
Nondefense	Percent	51.0	60.0	73.8	76.2	76.6
Federal receipts	\$Bil.	92.5	193.7	281.0	465.9	520.1
Social security taxes	Percent	15.9	23.4	30.7	30.4	30.9
Corporation taxes	Percent	23.2	16.9	14.5	14.1	12.4
Federal debt outstanding	\$Bil.	290.9	382.6	644.1	833.8	914.3
State and local gov't expenditures	\$Bil.	61.0	148.1	268.2	380.4	432.3
State and local general revenue	\$Bil.	50.5	130.8	228.2	343.3	382.3
Percent Federal	Percent	13.8	16.7	20.6	21.9	21.7
Percent from property taxes	Percent	32.5	26.0	22.6	18.9	17.9
State and local debt outstanding	\$Bil.	70.0	143.6	219.8	304.1	335.6
Federal civilian employment	1,000	2,421	2,881	2,890	2,869	2,807
State and local employment	1,000	6,387	10,147	12,084	13,102	13,315
Military personnel	1,000	2,476	3,086	2,128	2,027	2,051
Voter participation in Presidential elections ¹	Percent	62.8	² 60.9	³ 55.5	⁴ 54.3	53.2

NS Not significant. ¹Percent of voting-age population casting votes for President. ²1968 data. ³1972 data. ⁴1976 data.

Income and Prices

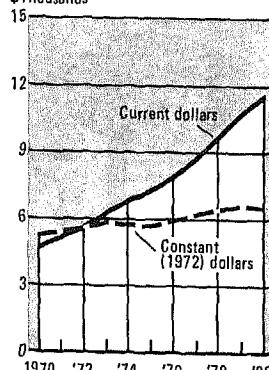
Gross National Product (GNP)

Annual percent change



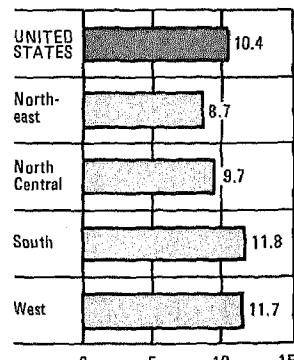
GNP per capita

\$Thousands



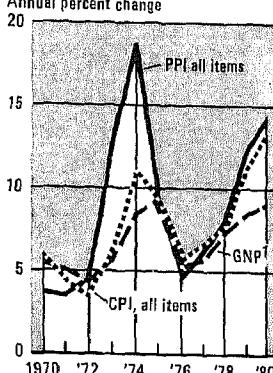
Personal Income, by Region: 1970 to 1980

(Annual % change)



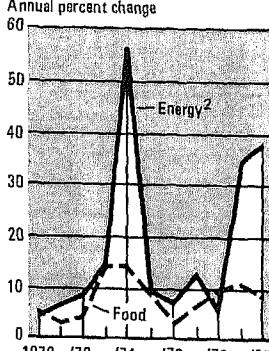
Price Indexes

Annual percent change



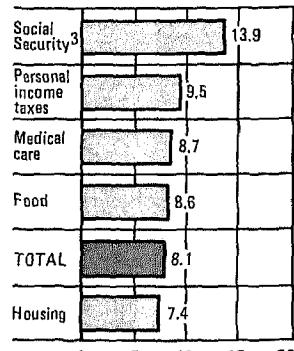
Energy and Food Price Indexes

Annual percent change



Urban Intermediate Budget: 1970 to 1980

(Annual % change)



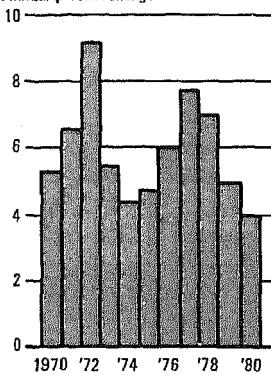
Subject	Unit of measure					Average annual percent change			
		1960	1970	1975	1979	1980	1960 -70 -70	1970 -75	1975 -80
Gross national product (GNP)	\$Bil.	507	983	1,549	2,414	2,626	7.0	9.3	11.1
National income	\$Bil.	416	811	1,239	1,963	2,120	6.9	8.9	11.3
Personal income	\$Bil.	402	811	1,265	1,944	2,160	7.3	9.3	11.3
Disposable personal income	\$Bil.	352	695	1,096	1,642	1,822	7.0	9.5	10.7
Personal saving	\$Bil.	20	56	94	86	101	10.8	10.9	1.6
GNP constant (1972) dollars	\$Bil.	737	1,086	1,234	1,483	1,481	4.0	2.6	3.7
Per capita	\$1,000	4.1	5.3	5.7	6.6	6.6	2.6	1.5	2.6
GNP implicit price deflator, index	1972=100	68.7	91.5	125.6	162.8	177.4	2.9	6.5	7.2
Producer price index (PPI)		94.9	110.4	174.9	235.8	268.8	1.5	9.6	9.0
Consumer price index (CPI)	1967=100	{ 88.7	116.3	161.2	217.4	246.8	2.8	6.8	8.9
Food	100	88.0	114.9	175.4	234.5	254.6	2.7	8.8	7.7
Fuel oil, coal, & bottled gas		89.2	110.1	235.3	403.1	556.0	2.1	16.4	18.8
Urban intermediate annual budget:									
4-person family	\$1,000	(NA)	10.7	15.3	20.5	23.1	(NA)	7.5	8.6
Retired couple	\$1,000	(NA)	4.5	6.5	8.6	9.4	(NA)	7.6	7.9

NA Not available.

Business and Finance

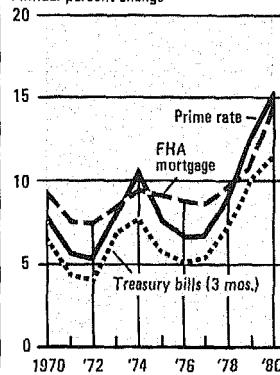
Money Supply (M-1A)

Annual percent change



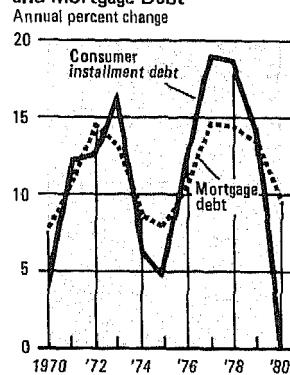
Interest Rates

Annual percent change



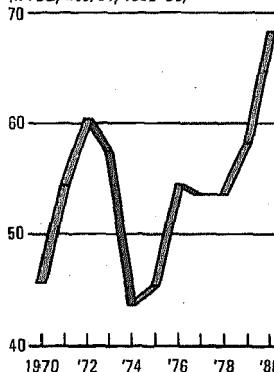
Consumer Installation and Mortgage Debt

Annual percent change



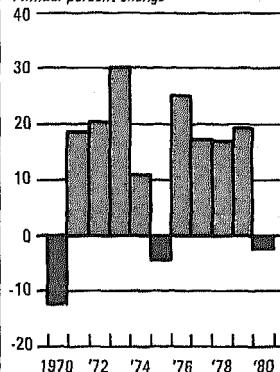
Common Stock Price Index

(NYSE, Dec. 31, 1965=50)



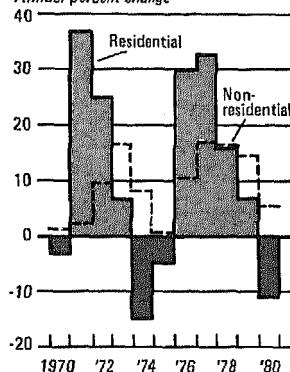
Corporate Profits After Taxes

Annual percent change



Gross Private Domestic Investment

Annual percent change

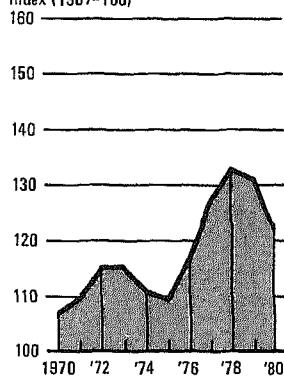


Subject	Unit of measure	Average annual percent change				
		1960 -70	1970 -75	1975 -80	1960 -70	1970 -75
Money supply (M-1-A)	\$Bil.	142	216	290	373	388
Interest rates:						
Prime rate charged by banks	Percent	4.8	7.9	7.9	12.7	15.3
Treasury bills, 3-month	Percent	2.9	6.4	5.8	10.1	11.4
Commercial paper	Percent	(NA)	(NA)	6.3	11.0	12.7
Home mortgages, conventional (new) . . .	Percent	(NA)	8.5	9.1	11.2	14.0
Consumer installment debt	\$Bil.	45	106	172	312	313
Mortgage debt outstanding	\$Bil.	207	474	802	1,327	1,452
NYSE Common stock index	Dec. 31, 1965=100	30.0	45.7	45.7	58.3	68.1
Dow Jones industrial (30 stocks)	Dollars	618	753	803	844	891
Corporate profits before taxes	\$Bil.	49.8	75.4	132.1	256.4	245.5
Corporate profits after taxes	\$Bil.	27.1	41.3	81.5	167.8	163.2
Gross private domestic investment	\$Bil.	75.9	144.2	206.1	415.8	395.3
Residential, fixed	\$Bil.	24.5	37.1	55.3	118.6	105.3
Nonresidential, fixed	\$Bil.	48.5	103.9	157.7	279.7	296.0

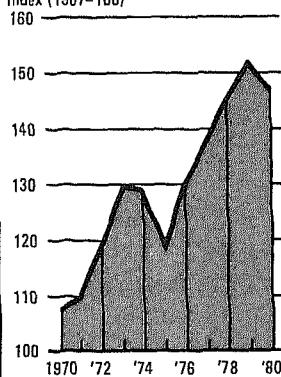
- Represents zero. NA Not available. NS Not significant.

Commerce

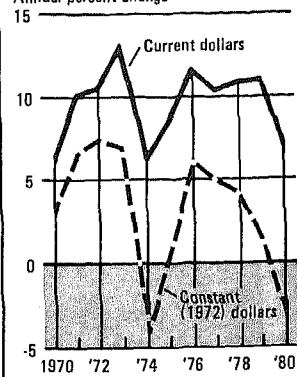
Net Business Formation
Index (1967=100)



Industrial Production
Index (1967=100)

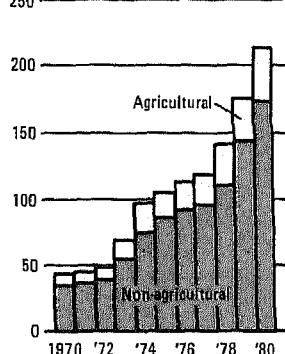


Retail Sales
Annual percent change



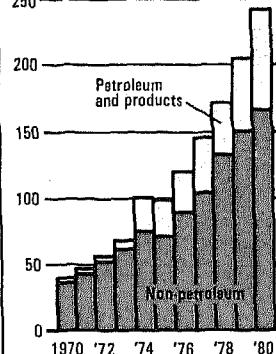
Exports

\$ Billions



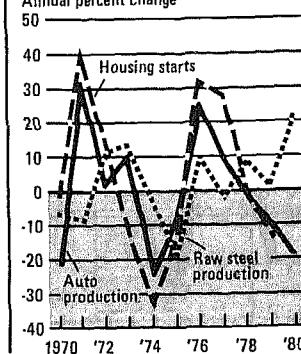
Imports

\$ Billions



Auto and Steel Production and Housing Starts

Annual percent change



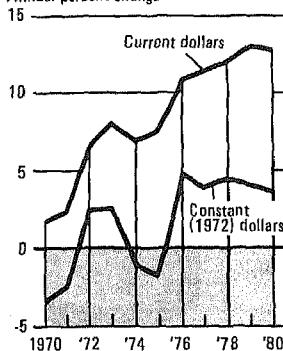
Subject	Unit of measure	Average annual percent change							
		1960 -70	1970 -75	1975 -80	1979	1980	1960 -70	1970 -75	1975 -80
New business incorporations	1,000	183	264	326	525	534	3.7	4.3	10.4
Business failure rate per 10,000 concerns . . .	Rate	57	44	43	28	42	-2.6	-5	-5
Business new capital expenditures	\$Bil.	48.6	105.6	157.7	270.5	295.6	8.1	8.4	13.4
Industrial production index	1967=100	66.2	107.8	117.8	152.5	147.1	5.0	1.8	4.5
Manu. capacity utilization rate	Percent	80	79	73	86	79	(NS)	(NS)	(NS)
Manu. and trade sales, avg. monthly	\$Bil.	61	107	182	292	317	5.8	11.2	11.7
Retail trade sales, current dollars	\$Bil.	219.5	368.4	588.1	894.3	956.7	5.3	9.8	10.2
Constant (1972) dollars	\$Bil.	(NA)	391.8	459.5	542.1	523.9	(NA)	3.2	2.7
Domestic exports, total	\$Bil.	20.4	42.6	106.6	178.6	216.6	7.6	20.1	15.2
Agricultural	\$Bil.	4.8	7.3	21.9	34.7	41.3	4.3	24.6	13.5
General imports, total	\$Bil.	15.1	40.0	96.6	206.3	240.8	10.2	19.3	20.1
Petroleum and products	\$Bil.	1.6	2.8	24.8	56.0	73.8	6.0	55.1	24.4
Automobile production	Mil. units	(NA)	6.5	6.7	8.2	6.6	(NA)	.6	-3
Raw steel production	Mil. sh. tons	99.3	131.5	116.6	136.3	111.8	2.9	-2.4	-8
Housing starts	Mil. units	1.3	1.5	1.2	1.8	1.3	1.3	-4.4	2.3

NA Not available. NS Not significant.

Science, Communications & Transportation

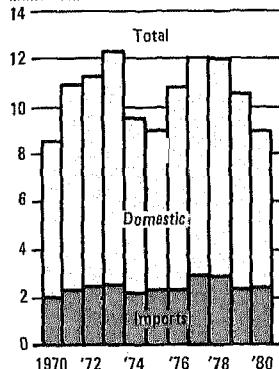
Research and Development Outlays

Annual percent change



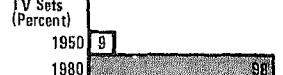
New Auto Supply

Million units

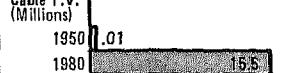


Media

TV Sets (Percent)



Cable T.V. (Millions)



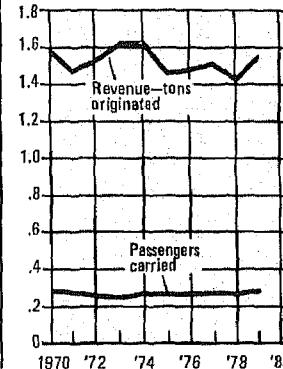
Newspapers (Millions)



*Daily circulation

Railroads

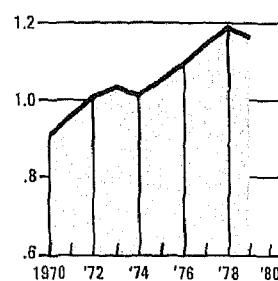
Millions



Passenger Cars—Vehicle Miles Traveled

Billions of miles

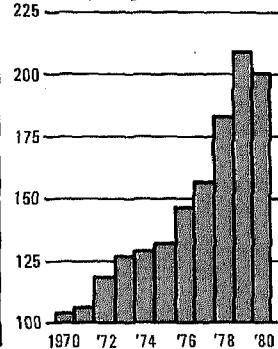
1.4



Air Carriers—Revenue Passenger-Miles Flown

Millions of passenger-miles

225



Subject	Unit of measure	1960	1970	1975	1978	1980	Average annual percent change		
		1960	1970	1975	1978	1980	1980	1970	1975
R and D outlays: Current dollars	\$Bil.	13.5	26.1	35.2	54.2	61.1	6.8	6.2	11.7
Constant (1972) dollars	\$Bil.	19.6	28.5	28.2	33.3	34.6	3.8	-.2	4.1
Percent of GNP	Percent	2.9	2.6	2.3	2.3	2.3	(NS)	(NS)	(NS)
Newspaper circulation	Millions	56.9	62.1	60.7	62.2	62.2	.9	-.5	.5
Households with TV sets	Millions	45.8	58.5	68.5	74.5	76.3	2.5	3.2	2.2
Cable TV subscribers	Millions	.7	4.5	9.8	14.1	15.5	21.4	16.8	9.6
Passenger cars: Registrations ¹	Millions	61.7	89.2	106.7	120.2	123.5	3.8	3.7	3.0
Vehicle miles traveled	Billions	588	901	1,051	1,163	(NA)	4.4	3.1	2.6
Fuel consumed, avg. per vehicle	Gallons	777	830	790	765	(NA)	.7	-1.0	-.8
New automobile supply	Millions	³ 9.9	8.6	9.0	10.8	9.0	⁴ -2.8	.9	—
Domestic output	Millions	³ 9.3	6.5	6.7	8.2	6.6	⁴ -6.9	.6	-.3
Import sales	Millions	³ .6	2.0	2.3	2.3	2.4	⁴ 27.2	2.8	.9
Railroads: Passengers carried	Millions	327	289	270	274	(NA)	-1.2	-1.4	² 4
Revenue-tons originated	Millions	1,301	1,572	1,470	1,543	(NA)	1.9	-1.3	² 1.2
Air carriers: Revenue-passenger miles flown	Billions	30.6	104.1	131.7	208.9	200.1	13.0	4.8	8.7
Avg. passenger-mile rate	Cents	6.1	6.0	7.7	9.1	11.5	-.2	5.1	8.4

¹ Represents zero. NA Not available. NS Not significant.

² Change, 1965-70.

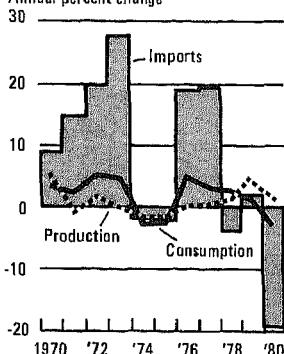
³ Includes taxis.

⁴ Change, 1975-79.

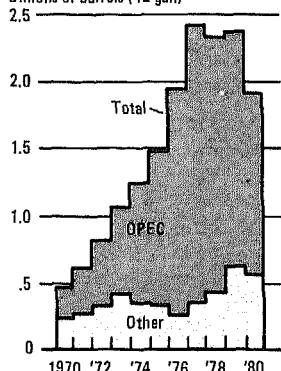
⁵ 1965 data.

Energy and Agriculture

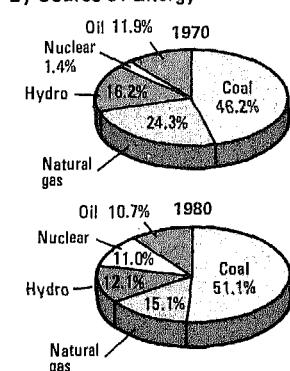
Energy Production, Consumption and Imports
Annual percent change



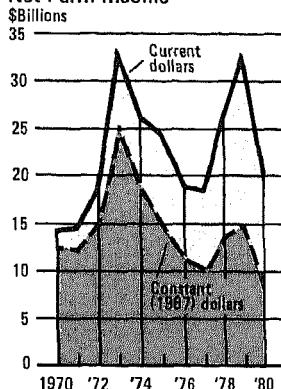
Crude Oil Imports into U.S.
Billions of barrels (42 gal.)



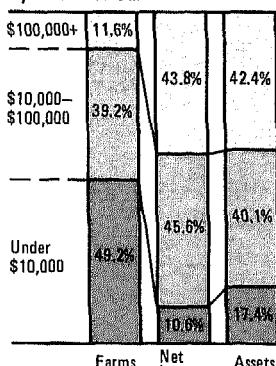
Electric Energy Production, by Source of Energy



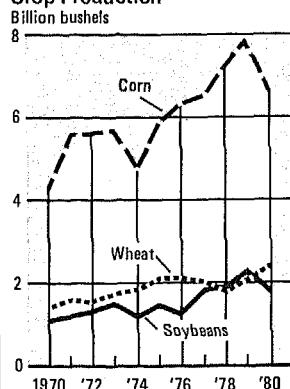
Net Farm Income



Farms, Income, and Assets by Value of Sales: 1980



Crop Production



Subject	Unit of measure	Average annual percent change							
		1960	1970	1975	1979	1980	1960	1970	1975
Energy consumption	Quad. Btu	44.1	66.8	70.7	79.0	76.3	4.2	1.1	1.6
Energy production	Quad. Btu	41.8	62.5	60.1	63.9	64.9	4.1	-8	1.6
Energy imports	Quad. Btu	4.2	8.4	14.1	19.6	15.8	7.2	10.9	2.3
Fossil fuel prices per mil. Btu's	Dollars	.29	.32	.84	1.43	2.03	1.0	21.3	19.3
Crude oil production	Mil. bbl.	2,575	3,517	3,057	3,121	3,146	3.2	-2.8	.6
Imports.	Mil. bbl.	372	483	1,498	2,380	1,911	2.7	26.4	5.0
Electric utility production.	Bil. kWh	753	1,532	1,918	2,247	2,286	7.4	4.6	3.6
Nuclear.	Bil. kWh	1	22	173	255	251	36.2	51.1	7.7
Farms, number ¹	Million	4.0	2.9	2.5	2.4	2.4	-2.9	(X)	-.8
Land in farms (acres) ¹	Million	1,176	1,102	1,059	1,043	1,042	-.7	(X)	-.3
Net farm income: Current dollars.	\$Bil.	11.5	14.2	24.5	32.7	19.9	2.1	11.6	-4.1
Constant (1967) dollars	\$Bil.	13.0	12.2	15.2	15.0	8.0	-.6	4.5	-11.9
Corn production	Bil. bu.	3.9	4.2	5.8	7.9	6.6	.6	7.1	2.6
Wheat production	Bil. bu.	1.4	1.4	2.1	2.1	2.4	(-Z)	9.5	2.2
Soybean production	Bil. bu.	.6	1.1	1.5	2.3	1.8	7.3	6.6	3.3
Meat production	Bil. lb.	28.2	36.2	36.8	37.6	39.0	2.5	.3	1.2

X Not applicable. Z Less than .05 percent. ¹ 1960 and 1970 based on 1969 census definition, 1975 to 1980 based on 1974 definition.